

NEWFIELD



May 31, 2005

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: 5-18-9-17, 6-18-9-17, 11-18-9-17, 12-18-9-17, 13-18-9-17, and 14-18-9-17. ✓

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

JUN 0 / 2005

DIV. OF OIL, GAS & MINING

001

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

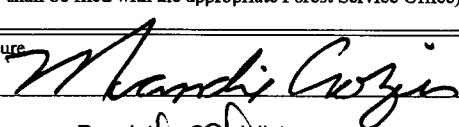
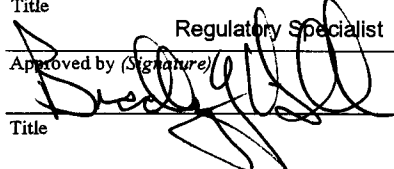
## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 20045. Lease Serial No.  
UTU-72106  
6. If Indian, Allottee or Tribe Name  
N/A7. If Unit or CA Agreement, Name and No.  
Beluga8. Lease Name and Well No.  
Beluga Federal 11-18-9-179. API Well No.  
43-013-3281210. Field and Pool, or Exploratory  
Monument Butte11. Sec., T., R., M., or Blk. and Survey or Area  
NE/SW Sec. 18, T9S R17E12. County or Parish  
Duchesne  
13. State  
UT1a. Type of Work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone2. Name of Operator  
Newfield Production Company3a. Address  
Route #3 Box 3630, Myton UT 840523b. Phone No. (include area code)  
(435) 646-37214. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NE/SW 1970' FSL 1980' FWL 581014X 40.029044  
At proposed prod. zone 44312024 - -110.05053914. Distance in miles and direction from nearest town or post office\*  
Approximatley 19.6 miles south of Myton, Utah15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 1970' f/lse, 1970' f/unit16. No. of Acres in lease  
1188.9217. Spacing Unit dedicated to this well  
40 Acres18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1325'19. Proposed Depth  
5755'20. BLM/BIA Bond No. on file  
UT005621. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5471' GL22. Approximate date work will start\*  
4th Quarter 200523. Estimated duration  
Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.<br>2. A Drilling Plan.<br>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).<br>5. Operator certification.<br>6. Such other site specific information and/or plans as may be required by the authorized officer. |
|--|---|

|   |  |
|---|--|
| 25. Signature <br>Title<br>Regulatory Specialist | Name (Printed/Typed)<br>Mandie Crozier<br>Date<br>5/31/05                                  |
| Approved by (Signature) <br>Title<br>             | Name (Printed/Typed)<br>BRADLEY G. HILL<br>ENVIRONMENTAL SCIENTIST III<br>Date<br>06-14-05 |

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED

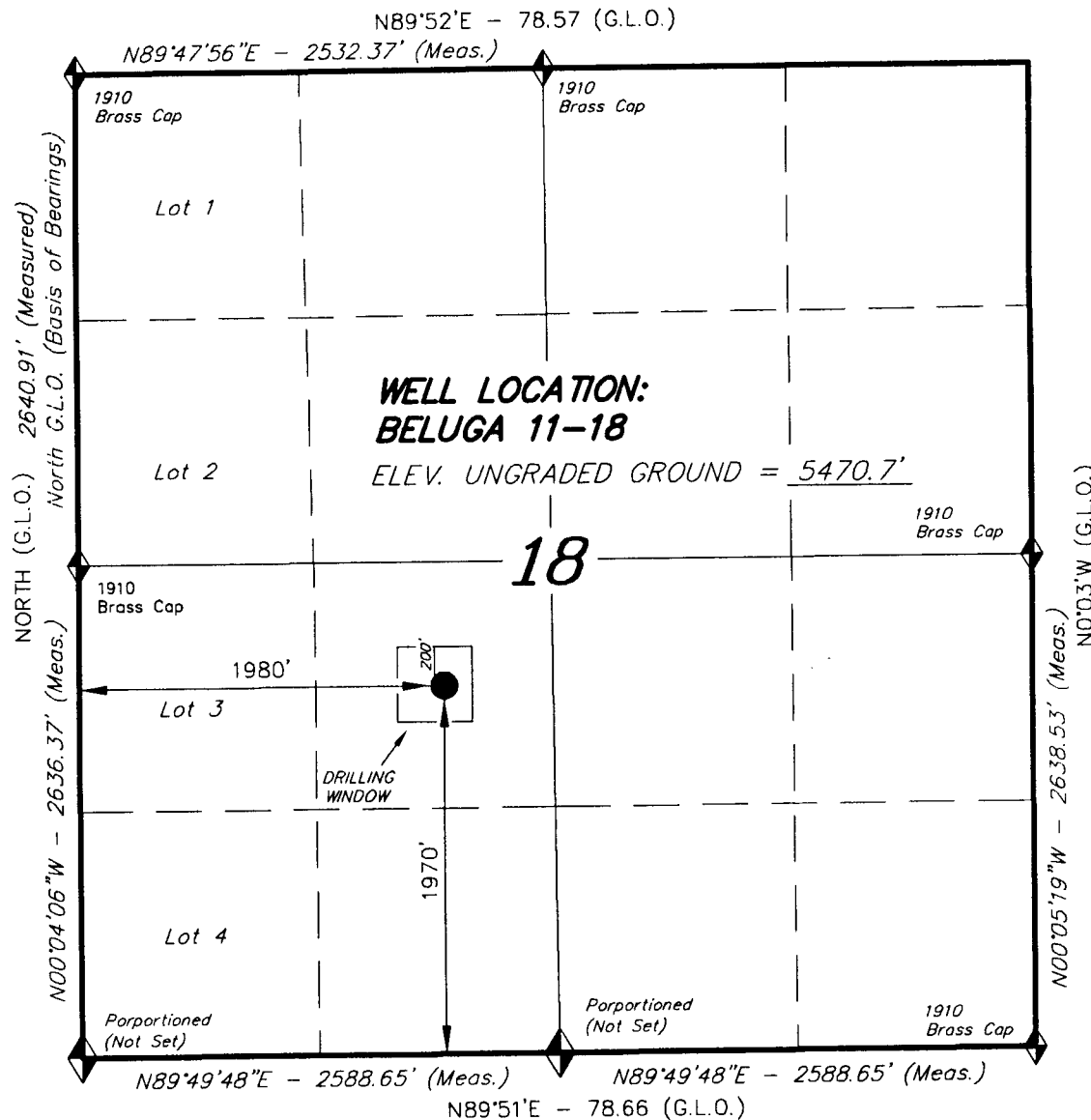
JUN 0 / 2005

DIV. OF OIL, GAS &amp; MINING

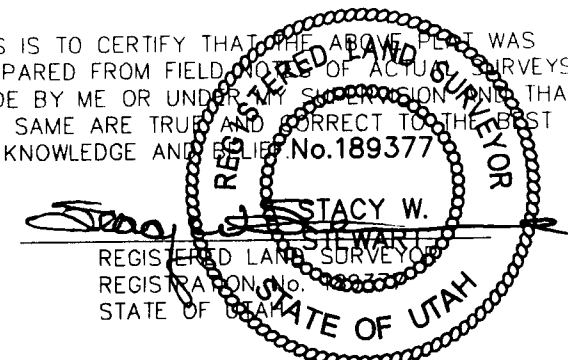
**T9S, R17E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, BELUGA 11-18,  
LOCATED AS SHOWN IN THE NE 1/4 SW  
1/4 OF SECTION 18, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD WORK OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                   |
|-------------------|-------------------|
| SCALE: 1" = 1000' | SURVEYED BY: C.M. |
| DATE: 2-8-05      | DRAWN BY: E.M.    |
| NOTES:            | FILE #            |

## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

June 10, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2004 Plan of Development Beluga Unit,  
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the Beluga Unit, Duchesne County, Utah.

| API #                     | WELL NAME      | LOCATION                                      |
|---------------------------|----------------|---|
| (Proposed PZ Green River) |                |   |
| 43-013-32808              | Beluga Federal | 15-18-9-17 Sec 18 T09S R17E 0666 FSL 1979 FEL |
| 43-013-32809              | Beluga Federal | 16-18-9-17 Sec 18 T09S R17E 0853 FSL 0716 FEL |
| 43-013-32810              | Beluga Federal | 5-18-9-17 Sec 18 T09S R17E 1983 FNL 0661 FWL  |
| 43-013-32811              | Beluga Federal | 6-18-9-17 Sec 18 T09S R17E 2009 FNL 1829 FWL  |
| 43-013-32812              | Beluga Federal | 11-18-9-17 Sec 18 T09S R17E 1970 FSL 1980 FWL |
| 43-013-32813              | Beluga Federal | 12-18-9-17 Sec 18 T09S R17E 1974 FSL 0659 FWL |
| 43-013-32814              | Beluga Federal | 14-18-9-17 Sec 18 T09S R17E 0613 FSL 2056 FWL |
| 43-013-32815              | Beluga Federal | 13-18-9-17 Sec 18 T09S R17E 0616 FSL 0678 FWL |

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Beluga Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:6-10-05



NEWFIELD PRODUCTION COMPANY  
BELUGA FEDERAL #11-18-9-17  
NE/SW SECTION 18, T9S, R17E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

|             |            |
|-------------|------------|
| Uinta       | 0' - 2230' |
| Green River | 2230'      |
| Wasatch     | 5755'      |

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2230' - 5755' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
BELUGA FEDERAL #11-18-9-17  
NE/SW SECTION 18, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Beluga Federal #11-18-9-17 located in the NE 1/4 SW1/4 Section 18, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly along Hwy 53 - 14.6 miles  $\pm$  to an existing road to the southwest; proceed southwesterly - 3.4 miles  $\pm$  to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 520'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. AERC Report #1598, 7/21/98. Paleontological Resource Survey prepared by, Wade E. Miller, 5/11/05. See attached report cover pages, Exhibit "D".

For the Beluga Federal #11-18-9-17 Newfield Production Company requests 520' of disturbed area be granted in Lease UTU-72106 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 520' of disturbed area be granted in Lease UTU-72106 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 520' of disturbed area be granted in Lease UTU-72106 to allow for construction of the proposed water lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None.

**Reserve Pit Liner**

Please refer to the Monument Butte Field SOP.

### Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

|                    |                               |            |
|--------------------|-------------------------------|------------|
| Shadscale          | <i>Atriplex confertifolia</i> | 4 lbs/acre |
| Scarlet Globmallow | <i>Sphaeralcea conccinea</i>  | 4 lbs/acre |
| Crested Wheatgrass | <i>Agropyron cristatum</i>    | 4 lbs/acre |

### Details of the On-Site Inspection

The proposed Beluga Federal #11-18-9-17 was on-sited on 10/13/04. The following were present; Brad Mecham (Newfield Production), David Gerbig (Newfield Production), and Byron Tolman (Bureau of Land Management). Weather conditions were clear.

### 13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

#### Representative

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

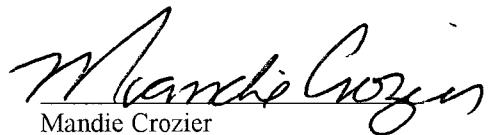
#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #11-18-9-17 NE/SW Section 18, Township 9S, Range 17E: Lease UTU-72106 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

5/31/05

Date

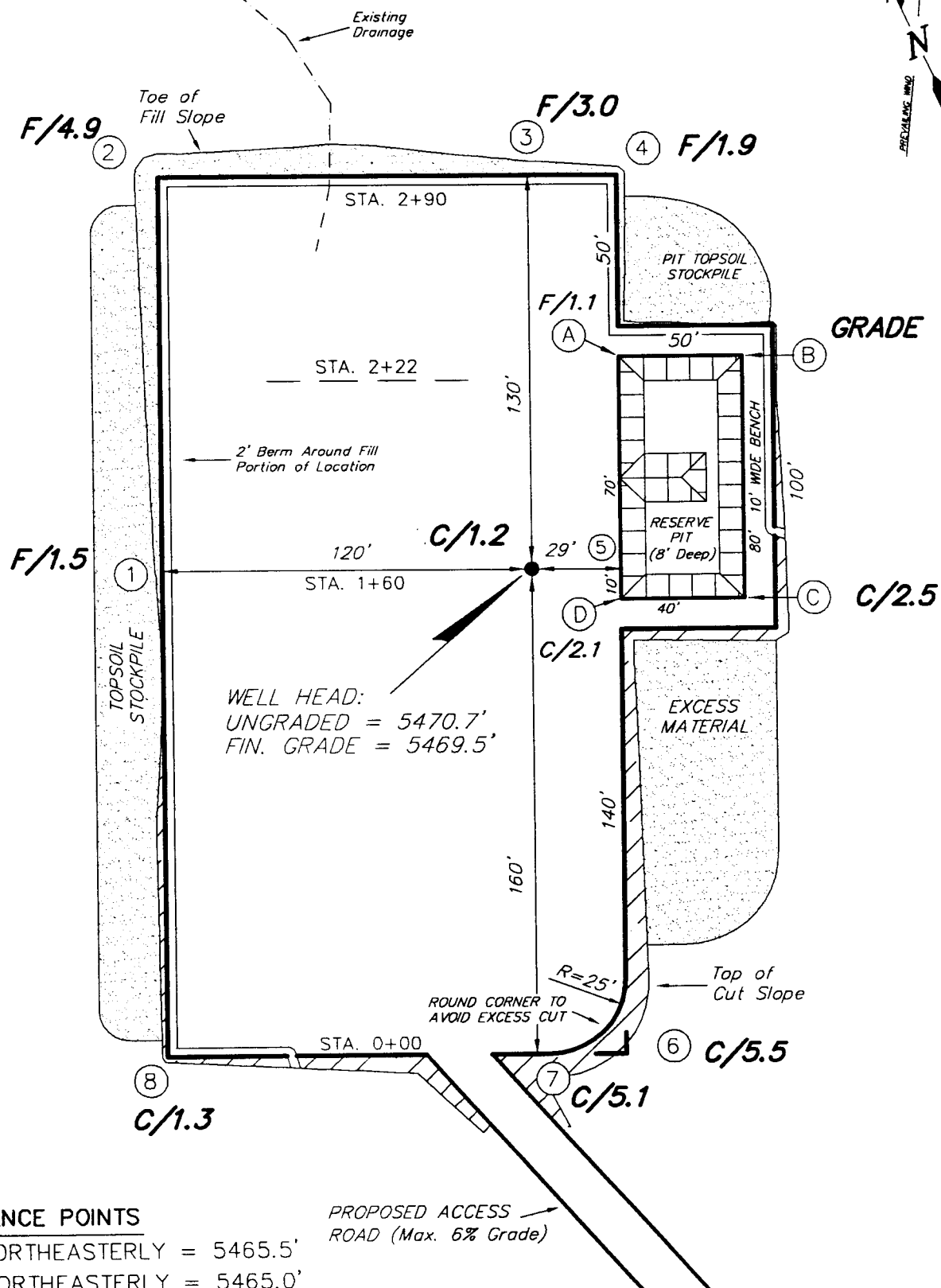


Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

# NEWFIELD PRODUCTION COMPANY

## BELUGA 11-18

Section 18, T9S, R17E, S.L.B.&M.



### REFERENCE POINTS

130' NORTHEASTERLY = 5465.5'  
130' NORTHEASTERLY = 5465.0'

PROPOSED ACCESS  
ROAD (Max. 6% Grade)

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

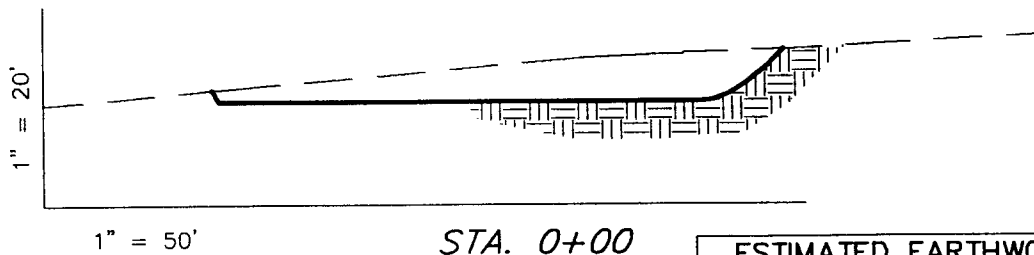
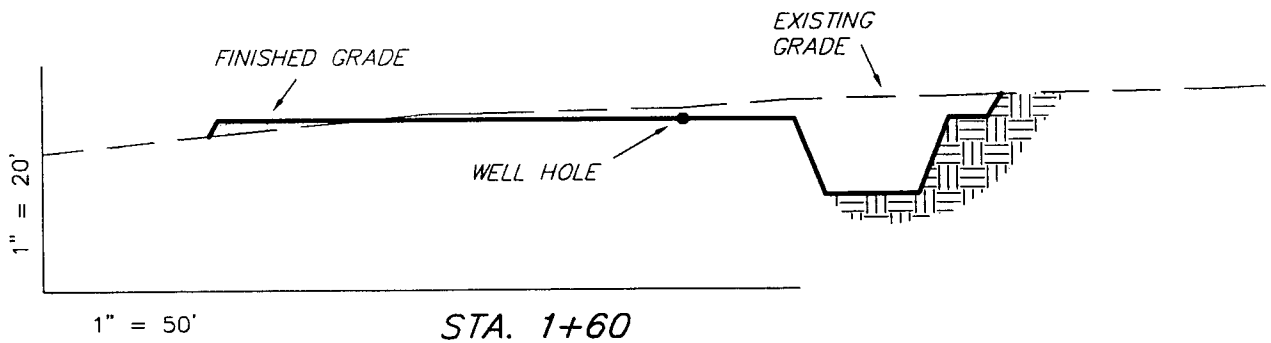
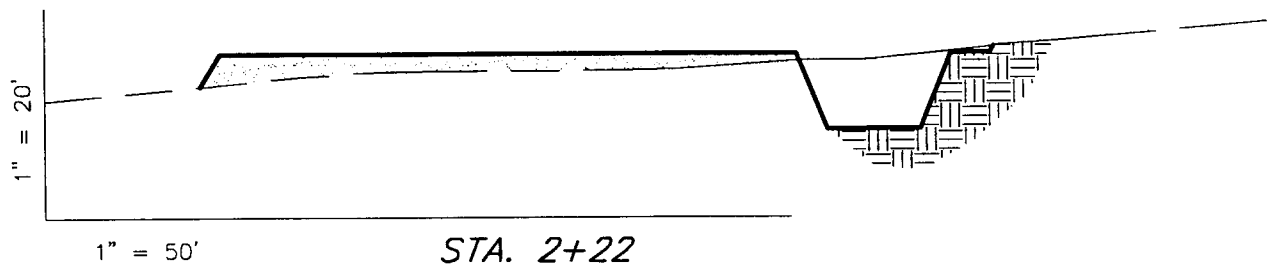
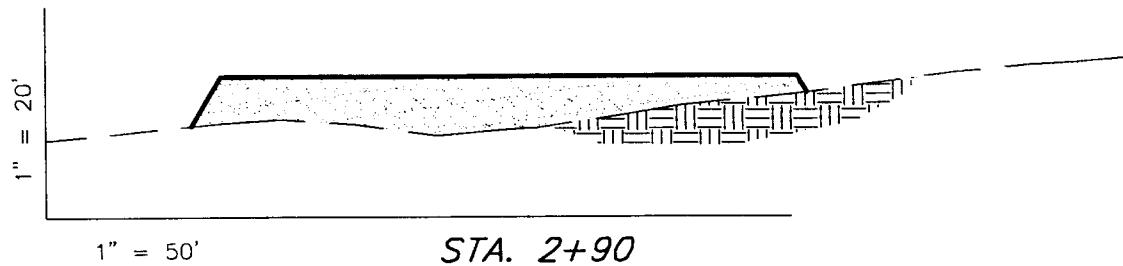
DATE: 2-8-05

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

**NEWFIELD PRODUCTION COMPANY**  
**CROSS SECTIONS**  
**BELUGA 11-18**



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

| ITEM   | CUT   | FILL  | 6" TOPSOIL                               | EXCESS |
|--------|-------|-------|--|--------|
| PAD    | 2,010 | 2,010 | Topsoil is<br>not included<br>in Pad Cut | 0      |
| PIT    | 640   | 0     |  | 640    |
| TOTALS | 2,650 | 2,010 | 970                                      | 640    |

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 2-8-05

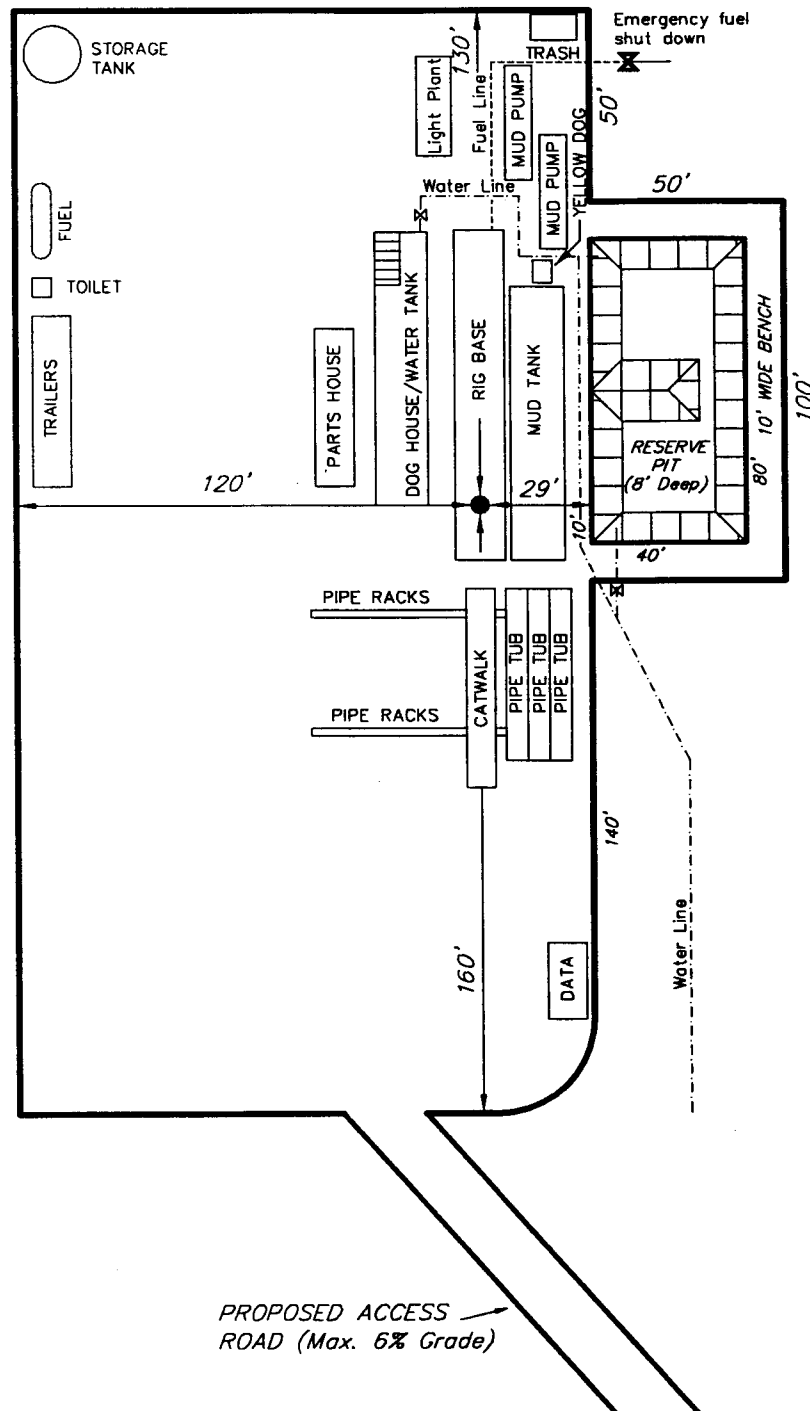
**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### BELUGA 11-18



SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

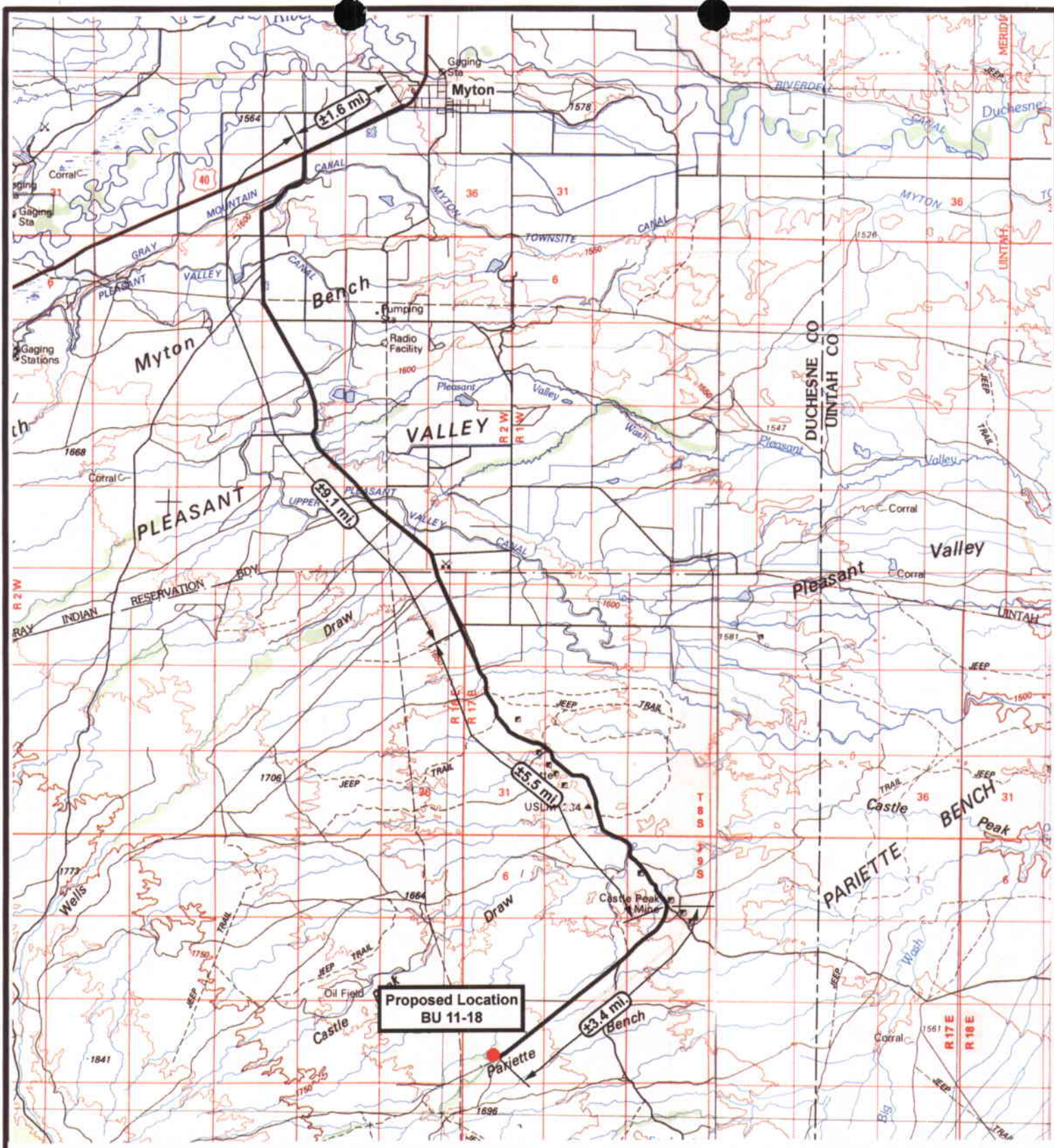
DATE: 2-8-05

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078







**NEWFIELD**  
Exploration Company

**Beluga Unit 11-18-9-17**  
**SEC. 18, T9S, R17E, S.L.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 02-09-2005

**Legend**

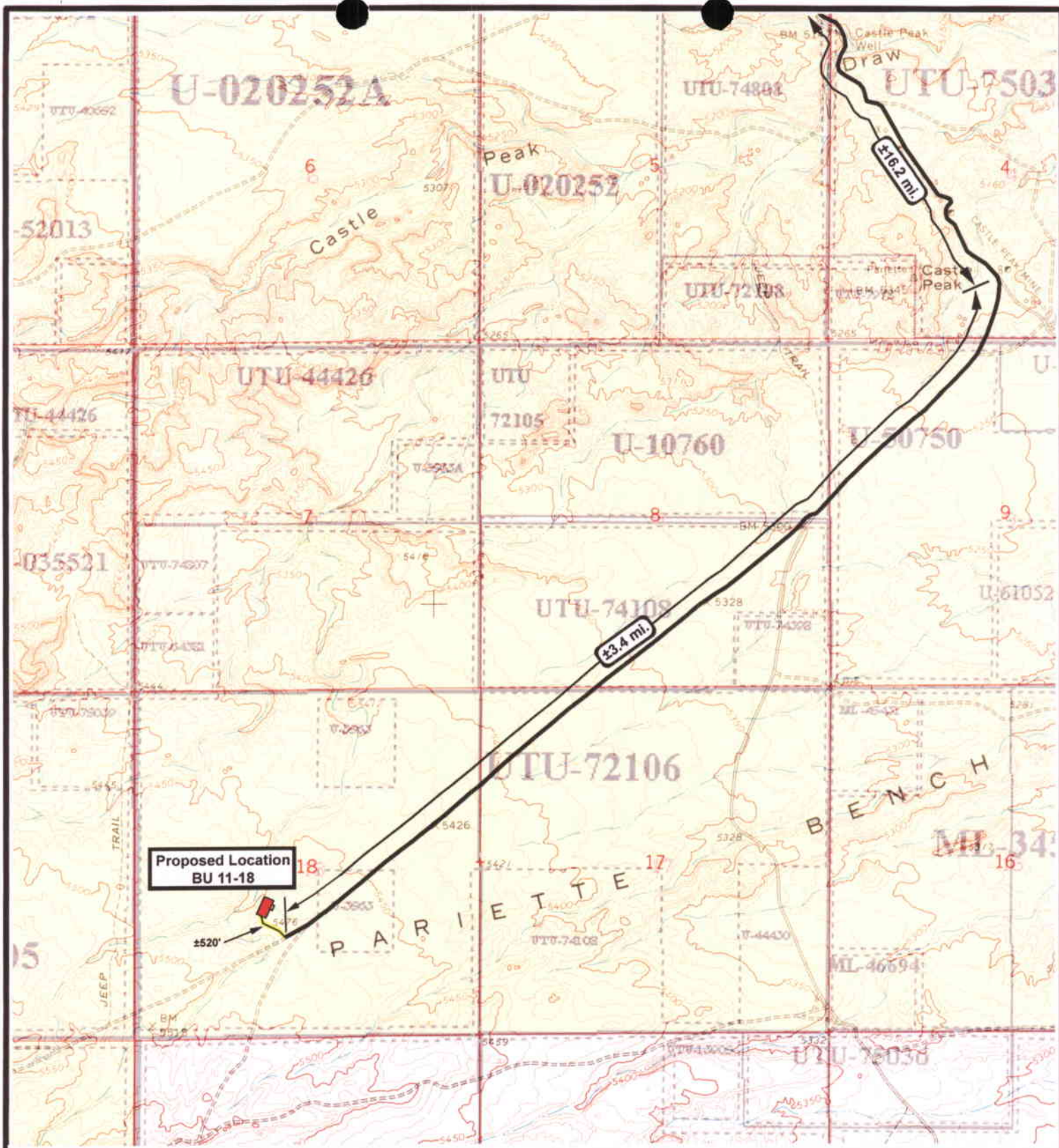
Existing Road

Proposed Access

**TOPOGRAPHIC MAP**

**"A"**





Proposed Location  
BU 11-18

±520'

**NEWFIELD**  
Exploration Company

**Beluga Unit 11-18-9-17**  
**SEC. 18, T9S, R17E, S.L.B.&M.**

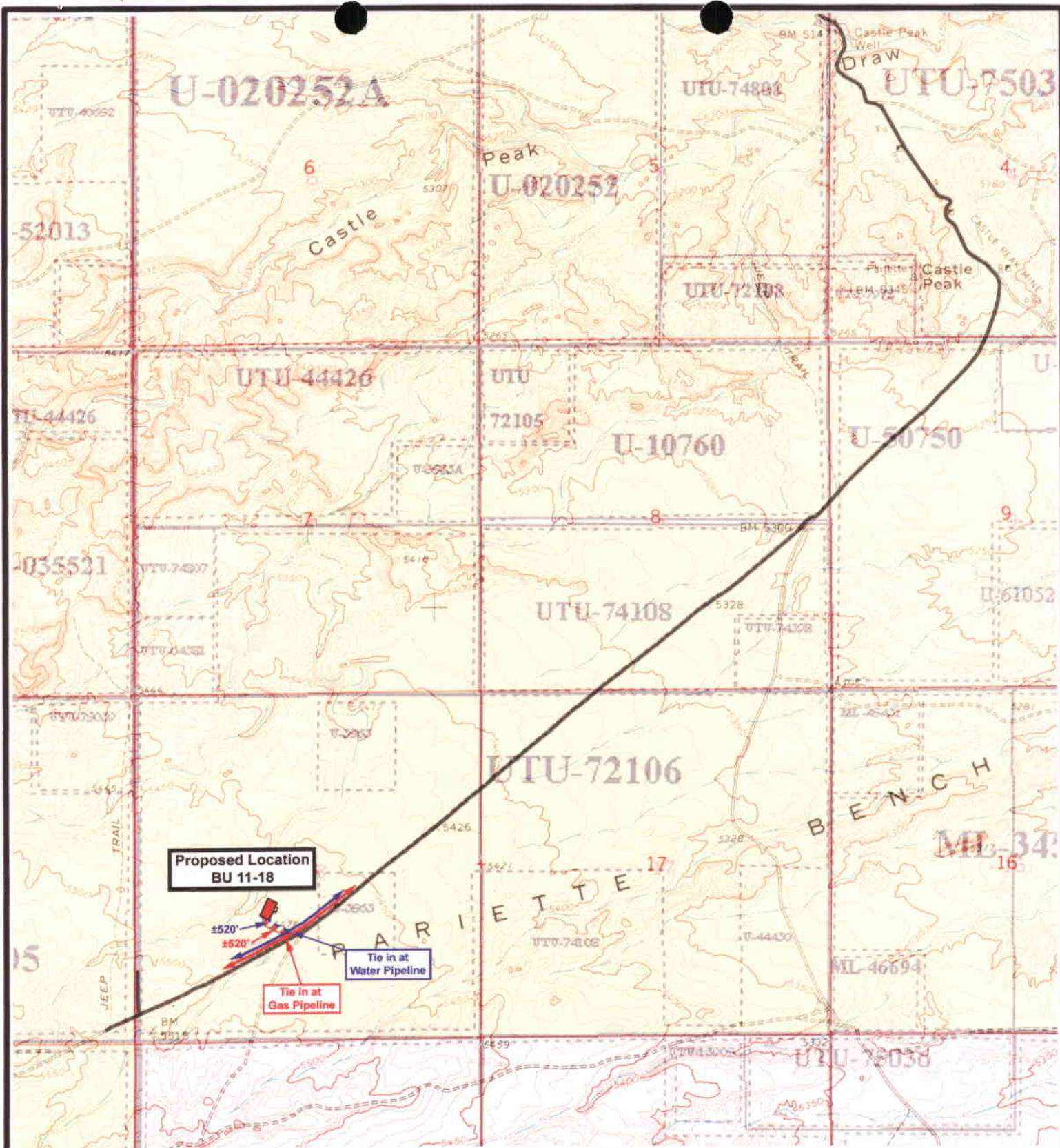


**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'  
DRAWN BY: mw  
DATE: 02-09-2005

| Legend          |                 |
|-----------------|-----------------|
|                 | Existing Road   |
|                 | Proposed Access |
| TOPOGRAPHIC MAP |                 |
| <b>"B"</b>      |                 |







**NEWFIELD**  
Exploration Company

**Beluga Unit 11-18-9-17**  
**SEC. 18, T9S, R17E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

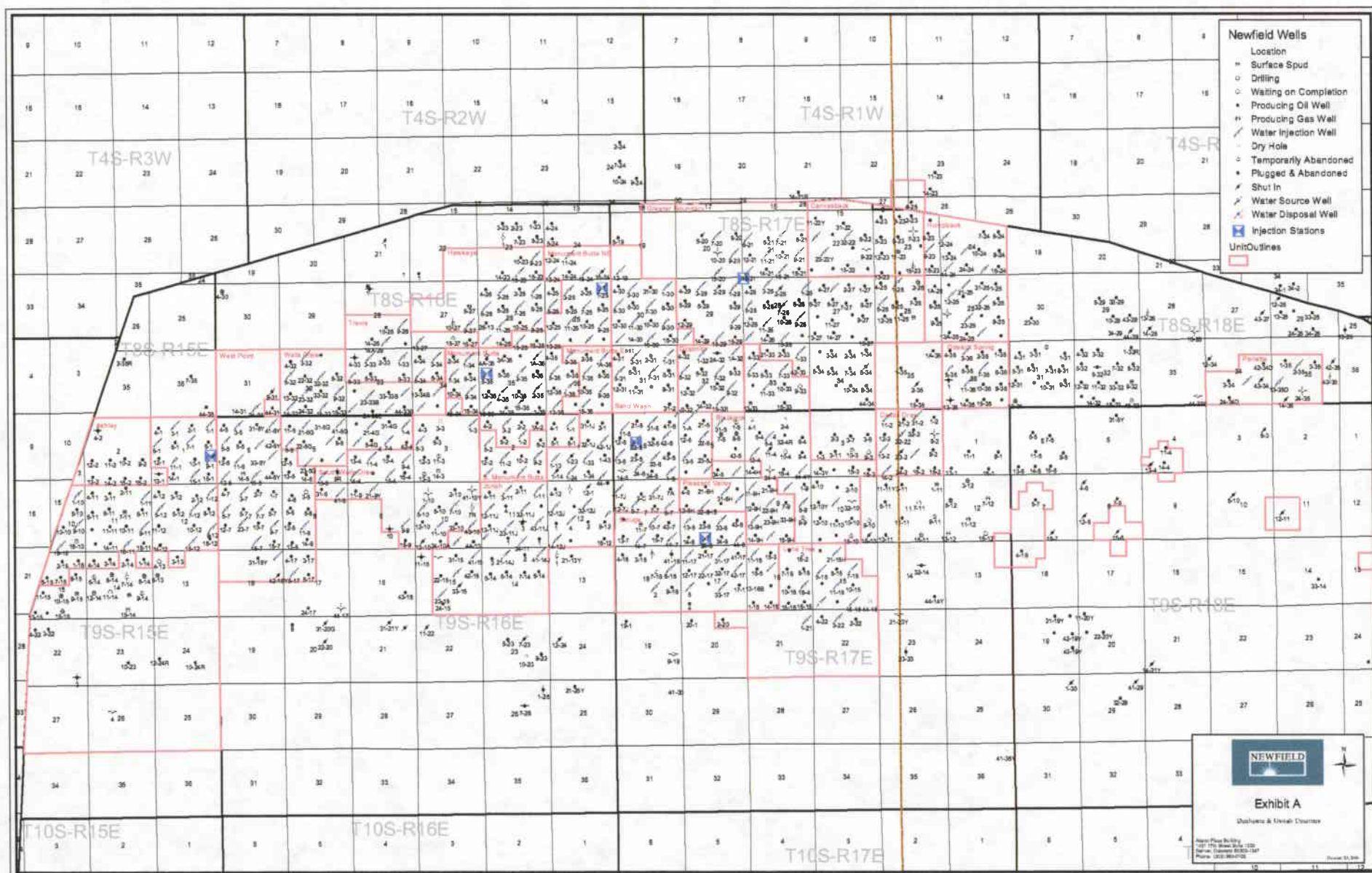
**SCALE: 1" = 2000'**  
**DRAWN BY: mw**  
**DATE: 02-09-2005**

**Legend**

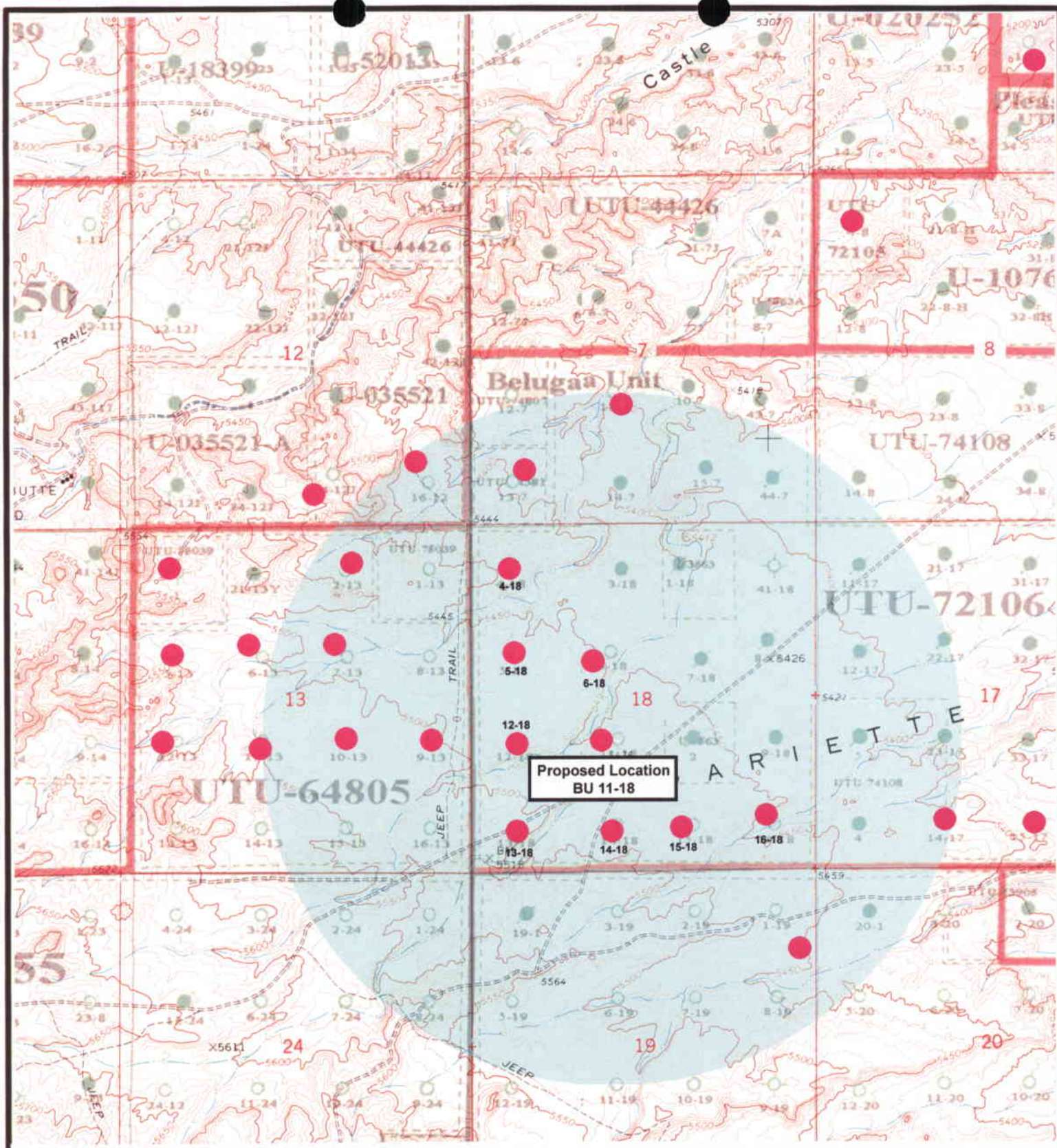
|  |                     |
|--|---------------------|
|  | Roads               |
|  | Existing Gas Line   |
|  | Proposed Gas Line   |
|  | Existing Water Line |
|  | Proposed Water Line |

**TOPOGRAPHIC MAP**  
**"C"**









**NEWFIELD**  
Exploration Company

**Beluga Unit 11-18-9-17**  
**SEC. 18, T9S, R17E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.

(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: mw

DATE: 02-09-2005

**Legend**



Proposed Location



One-Mile Radius

**Exhibit "B"**

## 2-M SYSTEM

Blowout Prevention Equipment Systems

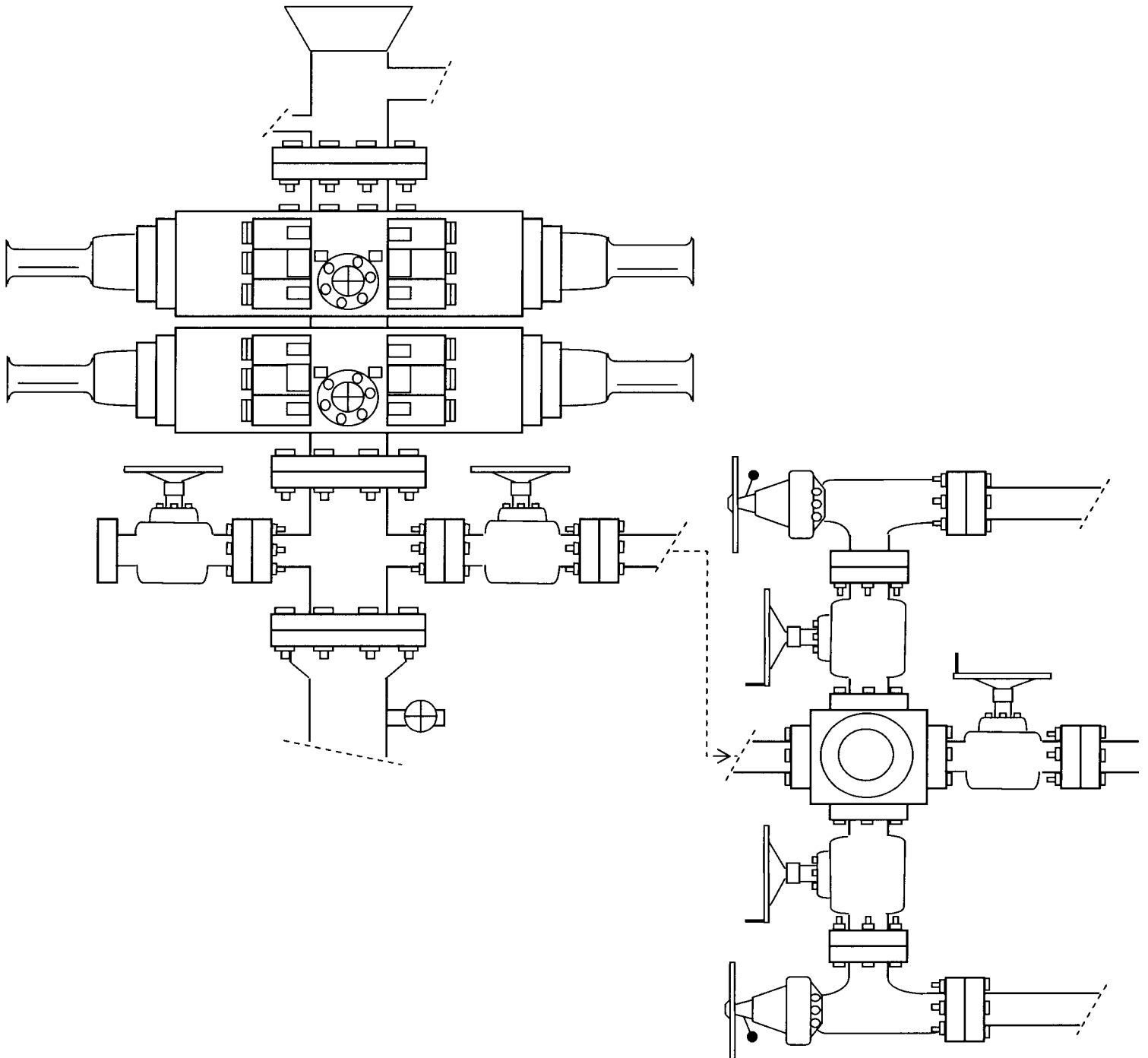


EXHIBIT C

Exhibit "D"  
page 1 of 4

# CULTURAL RESOURCE EVALUATION OF VARIOUS LARGE TRACTS IN THE WELLS DRAW TO PARIETTE BENCH LOCALITY IN DUCHESNE & UINTAH COUNTIES, UTAH

Report Prepared for Inland Resources, Inc.

Department of Interior Permit No.: UT-98-54937

Utah State Project No.: UT-98-AF-0164bs

AERC Project 1598 (IPC98-4)

Author of the Report:

E. Richard Hauck, Ph.D



ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION

181 North 200 West, Suite 5 -- Bountiful, Utah 84010

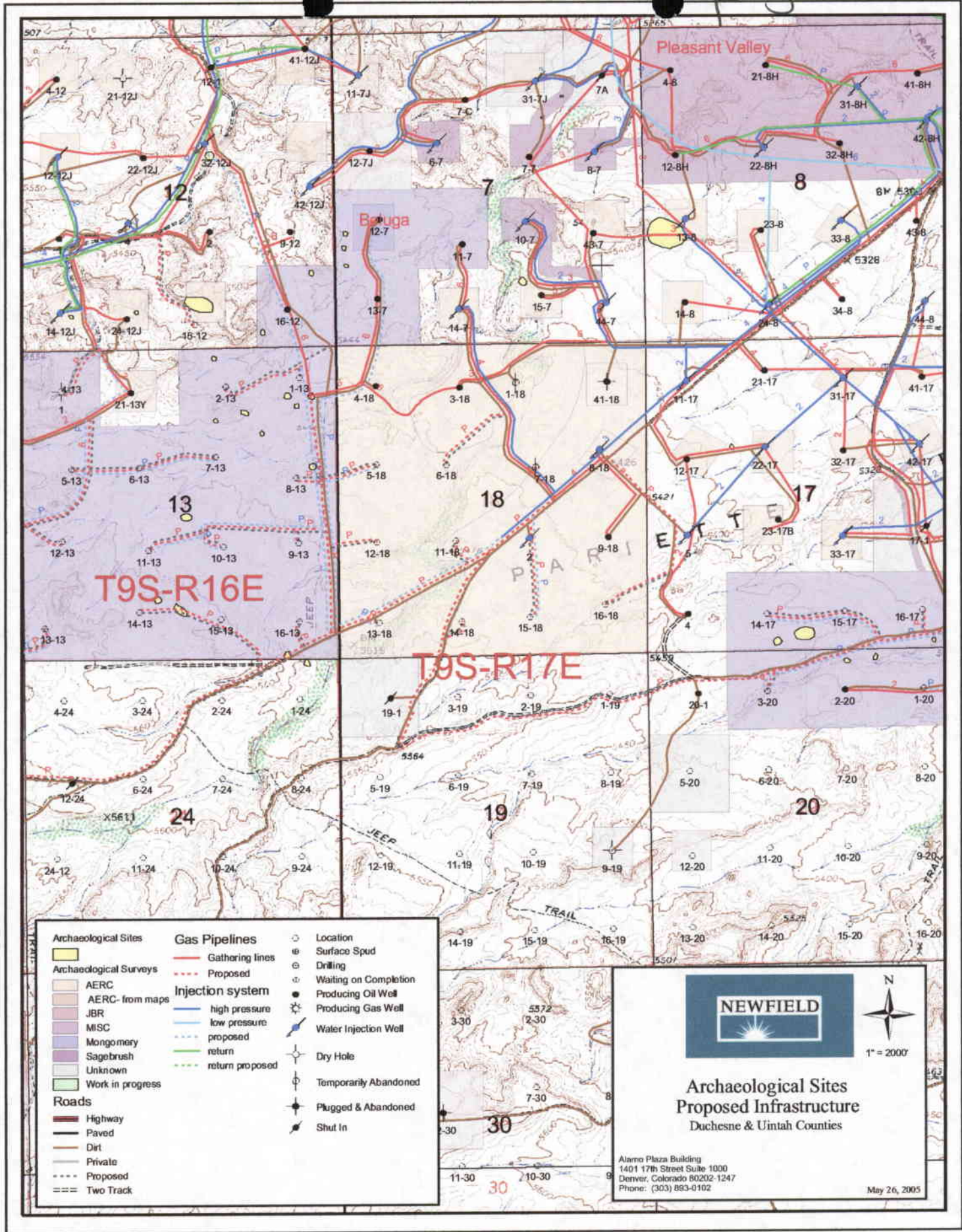
P.O. Box 853, Bountiful, Utah 84011

Phone: (801) 292-7061, 292-9668 FAX: (801) 292-0614

E-mail: [ari@xmission.com](mailto:ari@xmission.com) Web page: [www.ari-aerc.org](http://www.ari-aerc.org)

July 21, 1998





**NEWFIELD PRODUCTION COMPANY**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE COUNTY, UTAH**

Section 3, T 9 S, R 17 E [NE 1/4 & NW 1/4, NE 1/4 and NE 1/4, NW 1/4  
& SW 1/4, NW 1/4, and NE 1/4 & NW 1/4, SE 1/4]; Section 18, T 9 S, R 16 E  
[excluding NE 1/4, NW 1/4, & SE 1/4, NE 1/4]; Section 15, T 9 S, R 17 E [SE 1/4/ NE 1/4];  
Section 18, T 9 S, R 17 E [western half of section plus SE 1/4 & SW 1/4, SE 1/4];  
Section 33, T 8 S, R 16 E [NW 1/4, NW 1/4 and SW 1/4, NE 1/4]

**REPORT OF SURVEY**

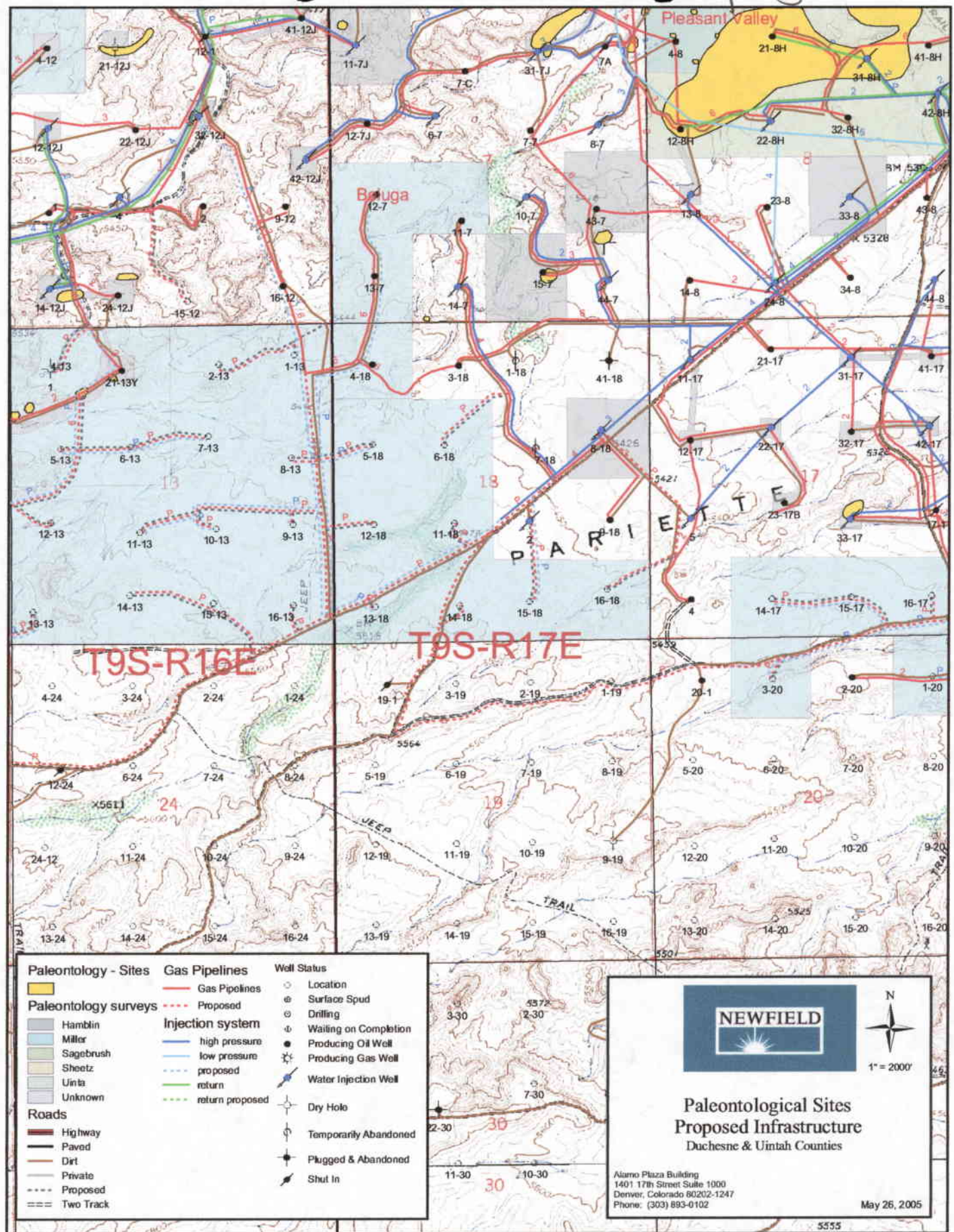
Prepared for:

**Newfield Production Company**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
May 11, 2005





WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/07/2005

API NO. ASSIGNED: 43-013-32812

WELL NAME: BELUGA FED 11-18-9-17OPERATOR: NEWFIELD PRODUCTION ( N2695 )CONTACT: MANDIE CROZIERPHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

NESW 18 090S 170E

SURFACE: 1970 FSL 1980 FWL

BOTTOM: 1970 FSL 1980 FWL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-72106

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

| Tech Review | Initials | Date |
|-------------|----------|------|
| Engineering |          |      |
| Geology     |          |      |
| Surface     |          |      |

LATITUDE: 40.02904

LONGITUDE: -110.0505

## RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT0056 )☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit(No. MUNICIPAL )☒ RDCC Review (Y/N)

(Date: \_\_\_\_\_ )

☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

       R649-2-3.Unit BELUGA (GREEN RIVER)       R649-3-2. GeneralSiting: 460' From Qtr/Qtr & 920' Between Wells       R649-3-3. Exception☒ Drilling UnitBoard Cause No: 228-4Eff Date: 2-4-96Siting: 460' fr u bdr & 920' fr other wells.       R649-3-11. Directional Drill

## COMMENTS:

Sup. Separate File

## STIPULATIONS:

1- Federated Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 18 T. 9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-4 / 2-4-1996

#### Wells

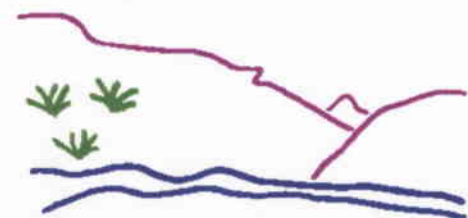
- ⚡ GAS INJECTION
- ⊙ GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ⊖ PLUGGED & ABANDONED
- ⚡ PRODUCING GAS
- PRODUCING OIL
- ⊙ SHUT-IN GAS
- ⊙ SHUT-IN OIL
- × TEMP. ABANDONED
- ⊙ TEST WELL
- ⚡ WATER INJECTION
- ⚡ WATER SUPPLY
- ⚡ WATER DISPOSAL

#### Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 9-JUNE-2005



**State of Utah****Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

June 14, 2005

Newfield Production Company  
Route #3, Box 3630  
Myton, Utah 84052

Re: Beluga Federal 11-18-9-17 Well, 1970' FSL, 1980' FWL, NE SW, Sec. 18,  
T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32812.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Acting Associate Director

jc  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Newfield Production Company  
**Well Name & Number** Beluga Federal 11-18-9-17  
**API Number:** 43-013-32812  
**Lease:** UTU-72106

**Location:** NE SW      **Sec.** 18      **T.** 9 South      **R.** 17 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1970 FSL1980 FWL NE/SW Section 18, T9S R17E**

5. Lease Designation and Serial No.

**UTU-72106**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or C.A. Agreement Designation

**BELUGA**

8. Well Name and No.

**BELUGA FEDERAL 11-18-9-17**

9. API Well No.

**43-013-32812**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 6/14/05 (expiration 6/14/06).

This APD has not been approved yet by the BLM.

Approved by the

Oil and Gas Division

Date: **06-05-06**  
By: **[Signature]**

COPY SENT TO OPERATOR  
Date: **10-16-06**  
Initials: **RM**

14. I hereby certify that the foregoing is true and correct

Signed

**[Signature]**  
Mandie Crozier

Title

Regulatory Specialist

Date

6-1-2006

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

**[Signature]**

Date

**JUN 02 2006**

FED. OF OIL, GAS & MIN.



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32812  
**Well Name:** Beluga Federal 11-18-9-17  
**Location:** NE/SW Section 18, T9S R17E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 6/14/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒


Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

6/1/2006

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED

JUN 02 2006

DEPT OF ENVIRONMENT

# RECEIVED

JUN - 3 2005

BLM VERNAL, UTAH

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-72106

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Beluga

8. Lease Name and Well No.

Beluga Federal 11-18-9-17

9. API Well No.

4301332812

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Bk. and Survey or Area

NE/SW Sec. 18, T9S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/SW 1970' FSL 1980' FWL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

Approximatley 19.6 miles south of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any)

Approx. 1970' f/lse, 1970' f/unit

16. No. of Acres in lease

1188.92

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

Approx. 1325'

19. Proposed Depth

5755'

20. BLM/BLA Bond No. on file

UT0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5471' GL

22. Approximate date work will start\*

4th Quarter 2005

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized officer.

25. Signature

Mandi Crozier

Name (Printed/Typed)

Mandie Crozier

Date

5/31/05

Title

Regulatory Specialist

Approved by (Signature)

Jerry Kenczka

Name (Printed/Typed)

JERRY KENCZKA

Date

3-12-2007

Title

Assistant Field Manager

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

## CONDITIONS OF APPROVAL ATTACHED

## NOTICE OF APPROVAL

## RECEIVED

MAR 16 2007

DIV. OF OIL, GAS & MINING

07BM4790A





**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078 (435) 781-4400**



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Newfield Production Company  
**Well No:** Beluga Federal 11-18-9-17  
**API No:** 43-013-32812

**Location:** NESW, Sec 18, T9S, R17E  
**Lease No:** UTU-72106  
**Agreement:** Beluga (Green River) Unit

| Title   | Name            | Office Phone Number      | Cell Phone Number |
|---|-----------------|--------------------------|-------------------|
| Petroleum Engineer:                             | Matt Baker      | 435-781-4490             | 435-828-4470      |
| Petroleum Engineer:                             | Michael Lee     | 435-781-4432             | 435-828-7875      |
| Petroleum Engineer:                             | James Ashley    | 435-781-4470             | 435-828-7874      |
| Petroleum Engineer:                             | Ryan Angus      | 435-781-4430             | 435-828-7368      |
| Supervisory Petroleum Technician:               | Jamie Sparger   | 435-781-4502             | 435-828-3913      |
| NRS/Enviro Scientist:                           | Paul Buhler     | 435-781-4475             | 435-828-4029      |
| NRS/Enviro Scientist:                           | Karl Wright     | 435-781-4484             |                   |
| NRS/Enviro Scientist:                           | Holly Villa     | 435-781-4404             |                   |
| NRS/Enviro Scientist:                           | Melissa Hawk    | 435-781-4476             | 435-828-7381      |
| NRS/Enviro Scientist:                           | Chuck MacDonald | 435-781-4441             |                   |
| NRS/Enviro Scientist:                           | Jannice Cutler  | 435-781-3400             |                   |
| NRS/Enviro Scientist:                           | Michael Cutler  | 435-781-3401             |                   |
| NRS/Enviro Scientist:                           | Anna Figueroa   | 435-781-3407             |                   |
| NRS/Enviro Scientist:                           | Verlyn Pindell  | 435-781-3402             |                   |
| NRS/Enviro Scientist:                           | Darren Williams | 435-781-4447             |                   |
| NRS/Enviro Scientist:                           | Nathan Packer   | 435-781-3405             |                   |
| <b>After Hours Contact Number: 435-781-4513</b> |                 | <b>Fax: 435-781-4410</b> |                   |

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

|  |   |   |
|--|---|---|
| Location Construction<br>(Notify NRS/Enviro Scientist)                     | - | Forty-Eight (48) hours prior to construction of location and access roads.  |
| Location Completion<br>(Notify NRS/Enviro Scientist)                       | - | Prior to moving on the drilling rig.  |
| Spud Notice<br>(Notify Petroleum Engineer)                                 | - | Twenty-Four (24) hours prior to spudding the well.  |
| Casing String & Cementing<br>(Notify Supervisory Petroleum Technician)     | - | Twenty-Four (24) hours prior to running casing and cementing all casing strings   |
| BOP & Related Equipment Tests<br>(Notify Supervisory Petroleum Technician) | - | Twenty-Four (24) hours prior to initiating pressure tests   |
| First Production Notice<br>(Notify Petroleum Engineer)                     | - | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days |

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

**Specific Surface COAs**

- All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.

- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- The interim seed mix for this location shall be:

|                     |                          |            |
|---------------------|--------------------------|------------|
| Crested Wheat grass | (Agropyron cristatum)    | 4 lbs/acre |
| Indian Rice grass   | (Achnatherum hymenoides) | 4 lbs/acre |
| Shadscale           | (Atriplex confertifolia) | 4 lbs/acre |
| Scarlet Globemallow | (Sphaeralcea coccinea)   | 1 lbs/acre |

All pounds are in pure live seed.

Rates are set for drill seeding; double the rate if broadcasting.

Reseeding may be required if initial seeding is not successful.

- The operator will be responsible for treatment and control of invasive and noxious weeds.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location  $\frac{1}{4}$   $\frac{1}{4}$ , Sec., Twn, Rng, and P.M..
  - Date well was placed in a producing status date of first production for which royalty will be paid.
  - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data

obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**UTU-72106**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**BELUGA**

8. Well Name and No.  
**BELUGA FEDERAL 11-18-9-17**

9. API Well No.  
**43-013-32812**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT.**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1970 FSL1980 FWL NE/SW Section 18, T9S R17E**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 6/14/05 (expiration 6/14/07).

Approved by the  
Utah Division of  
Oil, Gas and Mining

**RECEIVED**

**MAY 31 2007**

**DIV. OF OIL, GAS & MINING**

Date: 05-30-07

By: [Signature]

**3-31-07 PM**

14. I hereby certify that the foregoing is true and correct

Signed Mandie Crozier Title Regulatory Specialist Date 5/29/2007  
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32812  
**Well Name:** Beluga Federal 11-18-9-17  
**Location:** NE/SW Section 18,T9S R17E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 6/14/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

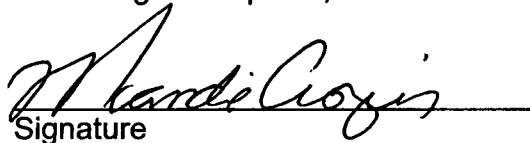
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

5/29/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: BELUGA FED 11-18-9-17

Api No: 43-013-32812 Lease Type: FEDERAL

Section 18 Township 09S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

### **SPUDDED:**

Date 07/03/07

Time 11:30 AM

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by JIM SMITH

Telephone # (435) 823-2072

Date 07/05/07 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

| ACTION CODE           | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME             | WELL LOCATION |    |    |     |          | SPUD DATE | EFFECTIVE DATE |
|-----------------------|--------------------|----------------|------------|-----------------------|---------------|----|----|-----|----------|-----------|----------------|
|                       |                    |                |            |                       | Q2            | SC | TP | RG  | COUNTY   |           |                |
| B                     | 99999              | 11880          | 4301332815 | BELUGA FED 13-18-9-17 | SWSW          | 18 | 9S | 17E | DUCHESNE | 7/2/2007  | 7/23/07        |
| WELL 1 COMMENTS: GRRV |                    |                |            |                       |               |    |    |     |          |           |                |
| A                     | 99999              | 16241          | 4301332998 | FEDERAL 12-18-9-16    | NWSW          | 18 | 9S | 16E | DUCHESNE | 7/2/2007  | 7/23/07        |
| WELL 2 COMMENTS: GRRV |                    |                |            |                       |               |    |    |     |          |           |                |
| A                     | 99999              | 16242          | 4301333144 | FEDERAL 11-21-9-16    | NESW          | 21 | 9S | 16E | DUCHESNE | 7/4/2007  | 7/23/07        |
| WELL 3 COMMENTS: GRRV |                    |                |            |                       |               |    |    |     |          |           |                |
| B                     | 99999              | 11880          | 4301332812 | BELUGA FED 11-18-9-17 | NESW          | 18 | 9S | 17E | DUCHESNE | 7/3/2007  | 7/23/07        |
| WELL 4 COMMENTS: GRRV |                    |                |            |                       |               |    |    |     |          |           |                |
| B                     | 99999              | 11880          | 4301332814 | BELUGA FED 14-18-9-17 | SESW          | 18 | 9S | 17E | DUCHESNE | 7/5/2007  | 7/23/07        |
| WELL 5 COMMENTS: GRRV |                    |                |            |                       |               |    |    |     |          |           |                |
| WELL 6 COMMENTS:      |                    |                |            |                       |               |    |    |     |          |           |                |

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or well well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - Use (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED  
JUL 09 2007

DIV. OF OIL, GAS & MINING

Signature: *[Signature]*  
Jentri Park  
Production Clerk  
July 8, 2007  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
USA UTU-72106

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
BELUGA UNIT

8. Well Name and No.  
BELUGA FEDERAL 11-18-9-17

9. API Well No.  
4301332812

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UT

SUBMITTER'S CERTIFICATE (Other Instructions on reverse side)

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1970 FSL 1980 FWL  
NESW Section 18 T9S R17E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                         |   |   |   |
|---|--|---|---|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize       | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume) | <input type="checkbox"/> Water Shut-Off         |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing  | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation              | <input type="checkbox"/> Well Integrity         |
| <input type="checkbox"/> Final Abandonment            | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other _____ |
|   | <input type="checkbox"/> Change Plans  | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Weekly Status Report _____                      |
|   | <input type="checkbox"/> Convert to    | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 7/27/07 MIRU NDSI Rig #3. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 275'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5800'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 148 jt's of 5.5 J-55, 15.5# csgn. Set @ 5755' / KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. circ 31 bbl cmt to surface. Nipple down Bop's. Set slips @ 100,000 #'s tension. Release rig 2:30 AM on 8/1/07.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Johnny Davis

Signature



Title

Drilling Foreman

Date

08/01/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

AUG 06 2007

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

5. Lease Serial No.  
USA UTU-72106  
6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
BELUGA UNIT

8. Well Name and No.  
BELUGA FEDERAL 11-18-9-17

9. API Well No.  
4301332812

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
UT

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1970 FSL 1980 FWL  
NESW Section 18 T9S R17E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                         |   |  |   |
|--|--|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize       | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume)  | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing  | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment           | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other _____    |
|  | <input type="checkbox"/> Change Plans  | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon       |   |
|  | <input type="checkbox"/> Convert to    | <input type="checkbox"/> Plug Back        | <input checked="" type="checkbox"/> Water Disposal |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

I hereby certify that the foregoing is true and  
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

08/21/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or  
certify that the applicant holds legal or equitable title to those rights in the subject lease  
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

AUG 22 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-72106

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
BELUGA UNIT

8. WELL NAME and NUMBER:

BELUGA FEDERAL 11-18-9-17

9. API NUMBER:

4301332812

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1970 FSL 1980 FWL

COUNTY:

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 18, T9S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |  |  |
|--|---|--|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br><br>Approximate date work will<br><br>_____                      | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION (START/STOP)<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TEMPORARILY ABANDON<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLAIR<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUT-OFF<br><input checked="" type="checkbox"/> OTHER: - Weekly Status Report |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br><br>Date of Work Completion:<br><br>08/29/2007 |   |  |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 08/20/07, attached is a daily completion status report.

RECEIVED

SEP 04 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 08/29/2007

(This space for State use only)

**Daily Activity Report**

Format For Sundry

**BELUGA 11-18-9-17****6/1/2007 To 10/30/2007****8/10/2007 Day: 1****Completion**

Rigless on 8/9/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5706' & cement top @ 70'. Perforate stage #1. A3 sds @ 4928-44', A1 sds @ 4905-14' w/ 3 1/8" Slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 100 shots. 136 BWTR. SIFN.

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**8/16/2007 Day: 2****Completion**

Rigless on 8/15/2007 - RU BJ Services. 53 psi on well. Frac A1 & A3 sds w/ 80,231#'s of 20/40 sand in 629 bbls of Lightning 17 fluid. Broke @ 2038 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1497 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 1965 psi. Leave pressure on well. 765 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 13' perf gun. Set plug @ 4050'. Perforate GB4 sds @ 3939-3952' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 52 shots. RU BJ Services. 1599 psi on well. Frac GB4 sds w/ 69,499#'s of 20/40 sand in 560 bbls of Lightning 17 fluid. Broke @ 1671 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1746 psi @ ave rate of 24.8 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 1660 psi. Leave pressure on well. 1325 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 7' perf gun. Set plug @ 3890'. Perforate X-stray sds @ 3816-3823' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 28 shots. RU BJ Services. 1069 psi on well. Frac X-stray sds w/ 19,706#'s of 20/40 sand in 280 bbls of Lightning 17 fluid. Broke @ 3406 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1864 psi @ ave rate of 24.8 BPM. ISIP 1575 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 6 hrs & died. Rec 349 BTF. SIWFN w/ 1256 BWTR

---

**8/17/2007 Day: 3****Completion**

NC #1 on 8/16/2007 - 12:30PM MIRU NC#1, N/D 10,000 BOP & Frac Flng, N/U 3,000 Flng & 5,000 BOP, P/U & RIH W/-4 3/4 Bit, Bit Sub, 70 Jts Tbg, EOB @ 2205 , SWI, 6:30PM C/SDFN.

---

**8/18/2007 Day: 4****Completion**

NC #1 on 8/17/2007 - 6:30AM OWU, RIH W/-49 Jts Tbg To Fill @ 3826', R/U Nabors Pwr Swvl, R/U R/pmp, Drill & C/Out To Plg @ 3890', Drill Up Plg, Drill Out Solid Sand Fill To Plg @ 4050', Drill Up Plg, Swvl I/Hle To Fill @ 5523', Drill & C/Out To PBTD @ 5709', Curc Well Clean 1 Hr, POOH W/-5 Jts Tbg EOB @ 5571', R/U Swab RIH IFL @ Surf, Made 11 Swab Runs Recvrd 123 Bbls Wtr, Lite Trce Oil, Lite Trce Sand, FFL @ 1100', SWI, 6:00PM C/SDFN. Gained 36 Bbls Wtr On Drill Out To PBTD, Total Wtr Recvry For Day = 159 Bbls.

---

**8/21/2007 Day: 5****Completion**

**NC #1 on 8/20/2007 - 6:30AM OWU, RIH W/-Swab IFL @ Surf, Made 3 Swab Runs, Recvred 35 Bbls Wtr, Lite Trce Oil, Lite Trce Sand, FFL @ 800', RIH W/-Tbg To Fill @ 5738', R/U R/pmp, C/Out To PBTd @ 5741', Curc Well Clean, POOH W/-180 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set 5 1/2 T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp, Flsh Tbg W/-60 Bbls Wtr, P/U Stroke & RIH W/-CDI2 1/2x1 1/2x14x18' RHAC & Rod Production String Shown Below. Seat pmp, R/U Unit, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. Rack Out Eq, R/D Rig, POP @ 6:30PM , 102" SL, 5 SPM, Lost 38 Bbls Wtr On Curc Out @ PBTd, Total Wtr Lost For Day = 3 Bbls. ( Final Report.**

---

**Pertinent Files: Go to File List**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 1970' FSL & 1980' FWL (NE/SW) Sec. 18, T9S, R17E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-32812 DATE ISSUED 06/14/07

5. LEASE DESIGNATION AND SERIAL NO.

UTU-72106

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

Beluga Federal

8. FARM OR LEASE NAME, WELL NO.

Beluga Federal 11-18-9-17

9. WELL NO.

43-013-32812

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 18, T9S, R17E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED  
07/03/07

16. DATE T.D. REACHED  
07/31/07

17. DATE COMPL. (Ready to prod.)  
08/20/07

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
5471' GL

19. ELEV. CASINGHEAD  
5483' KB

20. TOTAL DEPTH, MD & TVD

5800'

21. PLUG BACK T.D., MD & TVD

5741'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 3816'-4944'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD        | AMOUNT PULLED |
|-------------------|-----------------|----------------|-----------|--|---------------|
| 8-5/8" - J-55     | 24#             | 324'           | 12-1/4"   | To surface with 160 sx Class "G" cmt   |               |
| 5-1/2" - J-55     | 15.5#           | 5755'          | 7-7/8"    | 325 sx Premite II and 425 sx 50/50 Poz |               |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 2-7/8" | EOT @ 5014'    | TA @ 4914'      |

31. PERFORATION RECORD (Interval, size and number)

| INTERVAL                          | SIZE | SPF/NUMBER | DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED             |
|-----------------------------------|------|------------|---------------------|--|
| (A3 & I) 4928'-4914', 4928'-4944' | .49" | 4/100      | 4905'-4944'         | Frac w/ 80,231# 20/40 sand in 629 bbls fluid |
| (GB4) 3939'-3952'                 | .49" | 4/52       | 3939'-3952'         | Frac w/ 69,499# 20/40 sand in 560 bbls fluid |
| (X-stray) 3816'-3823'             | .49" | 4/28       | 3816'-3823'         | Frac w/ 19,706# 20/40 sand in 280 bbls fluid |
|                                   |      |            |                     |  |
|                                   |      |            |                     |  |
|                                   |      |            |                     |  |
|                                   |      |            |                     |  |
|                                   |      |            |                     |  |
|                                   |      |            |                     |  |

RECEIVED

SEP 10 2007

DIV. OF OIL, GAS & MIN.

33.\* PRODUCTION

|                                   |   |                                   |                                   |                 |                |   |
|-----------------------------------|---|-----------------------------------|-----------------------------------|-----------------|----------------|---|
| DATE FIRST PRODUCTION<br>08/20/07 | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)<br>2-1/2" x 1-1/2" x 14' x 18' RHAC SM Plunger Pump |                                   |                                   |                 |                | WELL STATUS (Producing or shut-in)<br>PRODUCING |
| DATE OF TEST<br>10 day ave        | HOURS TESTED  | CHOKE SIZE                        | PROD'N. FOR TEST PERIOD<br>-----> | OIL--BBL.<br>26 | GAS--MCF.<br>0 | WATER--BBL.<br>64                               |
| FLOW. TUBING PRESS.               | CASING PRESSURE   | CALCULATED 24-HOUR RATE<br>-----> | OIL--BBL.                         | GAS--MCF.       | WATER--BBL.    | OIL GRAVITY-API (CORR.)                         |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Clerk

DATE

9/7/2007

JP

\*(See Instructions and Spaces for Additional Data on Reverse Side)

| 37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); |     |        |  | 38. GEOLOGIC MARKERS  |             |                  |
|---|-----|--------|--|-----------------------|-------------|------------------|
| FORMATION   | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC.            | NAME                  | TOP         |                  |
|   |     |        |  |                       | MEAS. DEPTH | TRUE VERT. DEPTH |
|   |     |        | Well Name<br>Beluga Federal 11-18-9-17 | Garden Gulch Mkr      | 3480'       |                  |
|   |     |        |  | Garden Gulch 1        | 3679'       |                  |
|   |     |        |  | Garden Gulch 2        | 3795'       |                  |
|   |     |        |  | Point 3 Mkr           | 4046'       |                  |
|   |     |        |  | X Mkr                 | 4308'       |                  |
|   |     |        |  | Y-Mkr                 | 4342'       |                  |
|   |     |        |  | Douglas Creek Mkr     | 4469'       |                  |
|   |     |        |  | BiCarbonate Mkr       | 4702'       |                  |
|   |     |        |  | B Limestone Mkr       | 4814'       |                  |
|   |     |        |  | Castle Peak           | 5320'       |                  |
|   |     |        |  | Basal Carbonate       | 5743'       |                  |
|   |     |        |  | Total Depth (LOGGERS) | 5798'       |                  |



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

JAN 06 2012

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, Colorado 80202

RECEIVED

JAN 19 2012

DIV. OF OIL, GAS & MINING

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

Re: Underground Injection Control (UIC)  
Additional Well to Beluga Area Permit  
EPA UIC Permit UT20798-09363  
Well: Beluga Federal 11-18-9-17  
NE SW Sec.18 T9S-R17E  
Duchesne County, Utah  
API No.: 43-013-32812

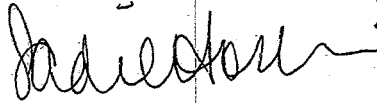
Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Beluga Federal 11-18-9-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Beluga Area Permit No.UT20798-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

If you have any questions, please call Bob Near at (303) 312-6278 or (800) 227-8917, extension 312-6278. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



*for* Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well  
Wellbore schematics for Beluga Federal 11-18-9-17

cc: Letter Only:

Uintah & Ouray Business Committee:  
Frances Poowegup, Councilwoman  
Ronald Wopsock, Vice-Chairman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Irene Cuch, Chairman  
Richard Jenks, Jr., Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Reed Durfey  
District Manager  
Newfield Production Company  
Myton, Utah



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8  
1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

## AUTHORIZATION FOR ADDITIONAL WELL

### UIC Area Permit UT20798-00000

The Beluga Unit Final UIC Area Permit UT20798-00000, effective October 25, 1996, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On October 4, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

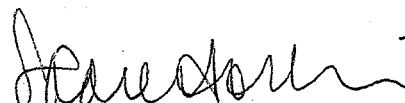
|                       |  |
|-----------------------|--|
| Well Name:            | <b>Beluga Federal 11-18-9-17</b>   |
| EPA Permit ID Number: | <b>UT20798-09363</b>   |
| Location:             | 1970' FSL & 1980' FWL<br>NESW Sec. 18 T9S-R17E<br>Duchesne County, Utah<br>API #43-013-32812 |

Pursuant to 40 CFR §144.33, Area UIC Permit UT20798-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20798-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: 11/5/12

  
for **Callie A. Videtich**  
\*Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: **Beluga Federal 11-18-9-17**  
EPA Well ID Number: **UT20798-09363**

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone;
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

**Note:** All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

**Approved Injection Interval:** The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is 1,450 psig, based on the calculation  $MAIP = [FG - (0.433)(SG)] * D$ , where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.82 psi/ft, SG is 1.015 and D is 3,816 ft.

UIC Area Permit No. UT20798-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

### **Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.

*Authorization for Additional Well: UIC Area Permit UT20798-00000  
Well: Beluga Federal 11-18-9-17 EPA Well ID: UT20798-09363*

- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 that has been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.
- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.
- (4) Isolate Surface Fluid Migration Paths:
  - a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and



circulate cement to the surface, unless there is existing cement across this interval;  
OR

- b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
- c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

### **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Beluga Federal 11-18-9-17**  
EPA Well ID Number: **UT20798-09363**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Beluga Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 571 ft. below ground surface in the Beluga Federal 11-18-9-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

**http:NRWRT1.NR.STATE.UT.US:** According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

**Composition of Source, Formation, and Injectate Water:** A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20771-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District blended with produced Green River Formation water and has a TDS content less than 10,000 mg/l.

**Confining Zone:** A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

**Injection Zone:** An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

**Well Construction:** and controls for production wells at the time of well completion. EPA has reviewed and approved the construction and determined that it is adequate to protect USDWs.

**Surface Casing:** 8-5/8" casing is set at 324 ft. in a 12-1/4" hole, using 160 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5755 ft. in a 7-7/8" hole secured with 750 sacks of cement. Total driller depth is 5,800 ft. Plugged back total depth is 5,741 ft. EPA calculates top of cement at 896 ft. Estimated CBL top of cement is 874 ft.

**Perforations:** Top perforation: 3,816 ft. Bottom perforation: 4,944ft.

## **AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following eight wells that penetrate the confining zone within or proximate to a 1/4-mile radius around the Beluga Federal 11-18-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

|                           |                   |                       |
|---------------------------|-------------------|-----------------------|
| Pomco 2-18-9-17           | API: 43-013-30505 | NWSE Sec. 18-T9S-R17E |
| Beluga Federal 6-18-9-17  | API: 43-013-32811 | SENE Sec. 18-T9S-R17E |
| Beluga Federal 12-18-9-17 | API: 43-013-32813 | NWSW Sec. 18-T9S-R17E |
| GMB N-18-9-17             | API: 43-013-50500 | NESW Sec. 18-T9S-R17E |

Authorization for Additional Well: UIC Area Permit UT20798-00000  
Well: Beluga Federal 11-18-9-17 EPA Well ID: UT20798-09363

**No Corrective Action Required on AOR wells:** EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

**Reporting of Noncompliance:**

- 1) **Anticipated Noncompliance.** The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 2) **Compliance Schedules.** Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- 3) **(Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.**

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.

# BELUGA FEDERAL 11-18-9-17

Spud Date: 07/03/07  
Put on Production: 08/20/07

GL: 5471' KB: 5483'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.87')  
DEPTH LANDED: 323.72' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 148 jts. (5741.52')  
DEPTH LANDED: 5754.77' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.  
CEMENT TOP: 70'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 153 jts (4701.70')  
TUBING ANCHOR: 4913.70' KB  
NO. OF JOINTS: 1 jts (31.48')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4947.98' KB  
NO. OF JOINTS: 2 jts (64.00')  
TOTAL STRING LENGTH: EOT @ 5013.53' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 1-8" x 3/4" pony rods, 100-3/4" guided rods, 71-3/4" slick rods, 20-3/4" guided rods, 6-1 1/2" weight rods.  
PUMP SIZE: CDI 2-1/2" x 1-1/2" x 20" RHAC  
STROKE LENGTH: 102"  
PUMP SPEED, 5 SPM:

## Wellbore Diagram

Cement Top @ 70'

SN 4948'

## FRAC JOB

08/15/07 4905-4944' Frac A1 & A3 sands as follows:  
80231# 20/40 sand in 629 bbls Lightning 17 frac fluid. Treated @ avg press of 1497 psi w/avg rate of 24.8 BPM. ISIP 1965 psi. Calc flush: 4903 gal. Actual flush: 4050 gal.  
08/15/07 3939-3952' Frac GB4 sands as follows:  
69499# 20/40 sand in 560 bbls Lightning 17 frac fluid. Treated @ avg press of 1746 psi w/avg rate of 24.8 BPM. ISIP 1660 psi. Calc flush: 3937 gal. Actual flush: 3431 gal.  
08/15/07 3816-3823' Frac X-stray sands as follows:  
19706# 20/40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 1864 psi w/avg rate of 24.8 BPM. ISIP 1575 psi. Calc flush: 3814 gal. Actual flush: 3738 gal.  
4/15/09 Pump Change. Updated r & t details.

324'  
3360' Confining Zone Top (Admin.)  
3480 Garden Gulch  
80% CBI 3714' - 95'  
3795 Confining Zone Base (Base B Shale)

## PERFORATION RECORD

| Date     | Interval   | Tool   | Holes    |
|----------|------------|--------|----------|
| 08/02/07 | 4928-4944' | 4 JSPF | 64 holes |
| 08/02/07 | 4905-4914' | 4 JSPF | 36 holes |
| 08/20/07 | 3939-3952' | 4 JSPF | 52 holes |
| 08/20/07 | 3816-3823' | 4 JSPF | 28 holes |

3816-3823'  
3939-3952'  
Douglas Creek 4469'  
4905-4914'  
Anchor @ 4914'  
4928-4944'  
EOT @ 5014'  
PBT @ 5741'  
5743 Basal Carb.  
SHOE @ 5755'  
TD @ 5800'

Est. Wasatch 5830'

## NEWFIELD

## BELUGA FEDERAL 11-18-9-17

1970' FSL & 1980' FWL  
NE/SW Section 18-T9S-R17E  
Duchesne Co, Utah  
API #43-013-32812; Lease # UTU-72106

|  |  |  |
|--|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | FORM 9   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>UTU-72106 |
|  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                |
|  |  | 7. UNIT or CA AGREEMENT NAME:<br>GMBU (GRRV)         |
|  |  | 8. WELL NAME and NUMBER:<br>BELUGA FED 11-18-9-17    |
| 1. TYPE OF WELL<br>Oil Well  |  | 9. API NUMBER:<br>43013328120000                     |
| 2. NAME OF OPERATOR:<br>NEWFIELD PRODUCTION COMPANY  |  | 9. FIELD and POOL or WILDCAT:<br>MONUMENT BUTTE      |
| 3. ADDRESS OF OPERATOR:<br>Rt 3 Box 3630, Myton, UT, 84052   |  | PHONE NUMBER:<br>435 646-4825 Ext                    |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1970 FSL 1980 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: NESW Section: 18 Township: 09.0S Range: 17.0E Meridian: S   |  | COUNTY:<br>DUCHESNE                                  |
|  |  | STATE:<br>UTAH                                       |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |   |
|---|--|---|---|---|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:                | <input type="checkbox"/> ACIDIZE<br><br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><br><input type="checkbox"/> DEEPEN<br><br><input type="checkbox"/> OPERATOR CHANGE<br><br><input type="checkbox"/> PRODUCTION START OR RESUME<br><br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><br><input type="checkbox"/> TUBING REPAIR<br><br><input type="checkbox"/> WATER SHUTOFF<br><br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><br><input type="checkbox"/> CHANGE TUBING<br><br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><br><input type="checkbox"/> FRACTURE TREAT<br><br><input type="checkbox"/> PLUG AND ABANDON<br><br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><br><input type="checkbox"/> VENT OR FLARE<br><br><input type="checkbox"/> SI TA STATUS EXTENSION<br><br><input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><br><input type="checkbox"/> CHANGE WELL NAME<br><br><input checked="" type="checkbox"/> CONVERT WELL TYPE<br><br><input type="checkbox"/> NEW CONSTRUCTION<br><br><input type="checkbox"/> PLUG BACK<br><br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><br><input type="checkbox"/> TEMPORARY ABANDON<br><br><input type="checkbox"/> WATER DISPOSAL<br><br><input type="checkbox"/> APD EXTENSION | OTHER: <input style="width: 100px;" type="text"/> |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>3/7/2012 |  |   |   |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   |  |   |   |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:                                      |  |   |   |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 03/02/2012. On 03/01/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 03/07/2012 the casing was pressured up to 1085 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20798-09363

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 March 15, 2012

|  |                              |                                    |
|--|------------------------------|------------------------------------|
| NAME (PLEASE PRINT)<br>Lucy Chavez-Naupoto | PHONE NUMBER<br>435 646-4874 | TITLE<br>Water Services Technician |
| SIGNATURE<br>N/A                           |                              | DATE<br>3/8/2012                   |

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 3 / 7 / 2012  
Test conducted by: Cody Marx  
Others present: \_\_\_\_\_

|  |                                   |                  |
|--|-----------------------------------|------------------|
| Well Name: <u>Beluga Federal 11-18-9-17</u>  | Type: ER SWD                      | Status: AC TA UC |
| Field: <u>Monument Butte</u>   |                                   |                  |
| Location: <u>NE/SW</u> Sec: <u>18</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> / W | County: <u>Duchesne</u>           | State: <u>Ut</u> |
| Operator: _____  |                                   |                  |
| Last MIT: _____ / _____ / _____  | Maximum Allowable Pressure: _____ | PSIG             |

Is this a regularly scheduled test? ☐ Yes ☒ No  
Initial test for permit? ☒ Yes ☐ No  
Test after well rework? ☐ Yes ☒ No  
Well injecting during test? ☐ Yes ☒ No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 1085 psig

| MIT DATA TABLE         | Test #1  | Test #2   | Test #3   |
|------------------------|--|---|---|
| <b>TUBING</b>          | <b>PRESSURE</b>  |   |   |
| Initial Pressure       | <u>0</u> psig  | psig  | psig  |
| End of test pressure   | <u>0</u> psig  | psig  | psig  |
| <b>CASING / TUBING</b> | <b>ANNULUS PRESSURE</b>  |   |   |
| 0 minutes              | <u>1085</u> psig   | psig  | psig  |
| 5 minutes              | <u>1085</u> psig   | psig  | psig  |
| 10 minutes             | <u>1085</u> psig   | psig  | psig  |
| 15 minutes             | <u>1085</u> psig   | psig  | psig  |
| 20 minutes             | <u>1085</u> psig   | psig  | psig  |
| 25 minutes             | <u>1085</u> psig   | psig  | psig  |
| 30 minutes             | <u>1085</u> psig   | psig  | psig  |
| _____ minutes          | psig   | psig  | psig  |
| _____ minutes          | psig   | psig  | psig  |
| <b>RESULT</b>          | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail | <input type="checkbox"/> Pass <input type="checkbox"/> Fail |

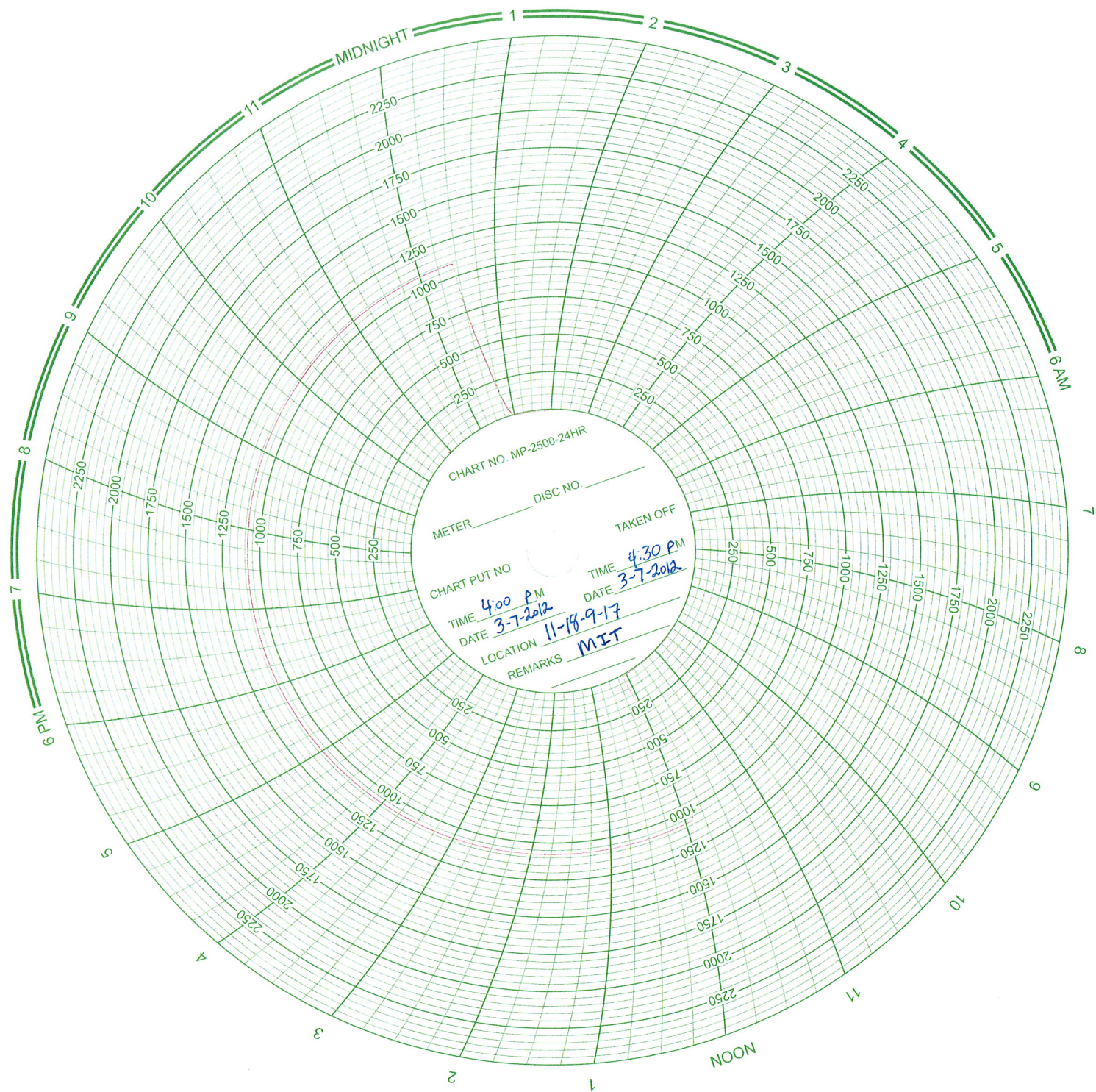
Does the annulus pressure build back up after the test? ☐ Yes ☐ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_







## Daily Activity Report

### Format For Sundry

**BELUGA 11-18-9-17**

**12/1/2011 To 4/29/2012**

**3/1/2012 Day: 1**

**Conversion**

WWS #7 on 3/1/2012 - MIRU, unseat pump, TOO H w/rods & pump - wait for deadman anchors to be tested, MIRU, pump 60bw dwn csg, unseat pump, LD polish rod & pony's, flush rods w/55bw, starting @ 800#, test tbg to 3000# w/5bw-good test, LD rods & pump, flush rods w/30bw during TOO H, x-over to tbg eq. ready to NDWH in am, SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$4,520

---

**3/2/2012 Day: 2**

**Conversion**

WWS #7 on 3/2/2012 - TOO H w/tbg, TIH w/pkr, psi test-no good - flush tbg w/30bw, NDWH, release TAC, NU BOP, RU tbg eq., TOO H tallying tbg breaking & green doping every connection w/117 jts 2 7/8" J-55 tbg. LD 36 jts, 5 1/2" TAC, 1 jt, SN, 2 jts, NC, flushed 2 more times w/60bw, TIH w/5 1/2" AS-1X pkr, new SN, 117 jts 2 7/8" J-55 tbg, pump 10bw, drop SV, psi tbg up to 3000# w/15bw, pressured up tbg 3 times in 1.5hr losing 100 psi in 15 min, SWIFN, check psi in am

**Daily Cost:** \$0

**Cumulative Cost:** \$11,464

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**3/5/2012 Day: 3**

**Conversion**

WWS #7 on 3/5/2012 - Pressure test TBG. Circulate PKR fluid. Set PKR & land tbg w/ 14000# tension. NU well head & MU injection tree. - Thaw well. Open tbg to check pressure 1500 psi. Pump up to 3000 psi & watch for 30 min. No loss good test. Bleed off tbg. RIH w/ sand line. Latch onto & retrieve standing valve. POOH w/ sand line. RD work floor. ND BOP. MU B1 adapter flnge. Circulate PKR fluid. Set PKR. Land tbg w/ 14000# compression. NU well head. MU injection tree. Pressure test csg to 1500 psi & watch for 1 hr. Good test. RDMOSU WWS #7. READY FOR MIT!!!!

**Daily Cost:** \$0

**Cumulative Cost:** \$16,784

---

**3/8/2012 Day: 4**

**Conversion**

Rigless on 3/8/2012 - Conduct initial MIT - On 03/01/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 03/07/2012 the casing was pressured up to 1085 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20798-09363 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$48,604

---

**Pertinent Files:** [Go to File List](#)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

APR 11 2012

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, Utah

**RECEIVED**

**APR 18 2012**

**DIV. OF OIL, GAS & MINING**

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Authorization to Commence Injection  
EPA UIC Permit UT20798-09363  
Well: Beluga Federal 11-18-9-17  
SWNW Sec. 18-T9S-R17E  
Uintah County, Utah  
API No.: 43-013-32812

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) March 8, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20798-09363.

As of the date of this letter, Newfield is authorized to commence injection into the Beluga Federal 11-18-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,450 psig. You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a step rate test that measures the fracture parting pressure and calculates the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Sarah Roberts at the following address, referencing the well name and UIC Permit number on all correspondence:

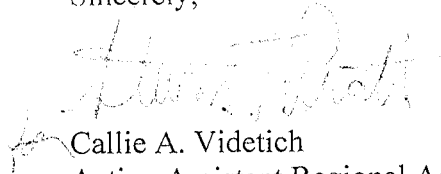
Ms. Sarah Roberts  
U.S. EPA Region 8: 8ENF-UFO  
1595 Wynkoop Street  
Denver, Colorado 80202-1129

You may reach Ms. Roberts by telephone at (303) 312-6211 or (800) 227-8927, extension 312-6211.

Please remember that it is your responsibility to be aware of, and to comply with, all conditions of injection well Permit UT20798-09363.

If you have questions regarding the above action, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174.

Sincerely,



Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman  
Richard Jenks, Jr., Councilman  
Frances Poowegup, Councilwoman  
Ronald Wopsock, Vice-Chairman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company



*Printed on Recycled Paper*

|  |   |   |
|--|---|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-72106 |
| <b>1. TYPE OF WELL</b><br>Water Injection Well   |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052   |   | <b>8. WELL NAME and NUMBER:</b><br>BELUGA FED 11-18-9-17    |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1970 FSL 1980 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NESW Section: 18 Township: 09.0S Range: 17.0E Meridian: S  |   | <b>9. API NUMBER:</b><br>43013328120000                     |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext   |   | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE      |
| <b>COUNTY:</b><br>DUCHESNE   |   | <b>STATE:</b><br>UTAH                                       |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |   |
| <b>TYPE OF SUBMISSION</b>  | <b>TYPE OF ACTION</b>                                   |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:   | <input type="checkbox"/> ACIDIZE                        |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>4/20/2012   | <input type="checkbox"/> ALTER CASING                   |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  | <input type="checkbox"/> CASING REPAIR                  |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       |   |
|  | <input type="checkbox"/> CHANGE TUBING                  |   |
|  | <input type="checkbox"/> CHANGE WELL STATUS             |   |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS |   |
|  | <input type="checkbox"/> DEEPEN                         |   |
|  | <input type="checkbox"/> FRACTURE TREAT                 |   |
|  | <input type="checkbox"/> OPERATOR CHANGE                |   |
|  | <input type="checkbox"/> PLUG AND ABANDON               |   |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME     |   |
|  | <input type="checkbox"/> RECLAMATION OF WELL SITE       |   |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION  |   |
|  | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       |   |
|  | <input type="checkbox"/> TUBING REPAIR                  |   |
|  | <input type="checkbox"/> VENT OR FLARE                  |   |
|  | <input type="checkbox"/> WATER SHUTOFF                  |   |
|  | <input type="checkbox"/> SI TA STATUS EXTENSION         |   |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION     |   |
|  | <input checked="" type="checkbox"/> OTHER               |   |
|  | OTHER: <input type="text" value="Put on Injection"/>    |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br><br>The above reference well was put on injection at 4:00 PM on<br>04/20/2012. EPA # UT20798-09363   |   |   |
| Accepted by the<br>Utah Division of<br>Oil, Gas and Mining<br><b>FOR RECORD ONLY</b><br>May 07, 2012   |   |   |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto  | <b>PHONE NUMBER</b><br>435 646-4874                     | <b>TITLE</b><br>Water Services Technician                   |
| <b>SIGNATURE</b><br>N/A  | <b>DATE</b><br>4/23/2012                                |   |



# BELUGA FEDERAL 11-18-9-17

Spud Date: 07/03/07

Put on Production: 08/20/07

GL: 5471' KB: 5483'

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (311.87')

DEPTH LANDED: 323.72' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

Cement Top @ 70'

Casing Shoe @ 324'

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 148 jts. (5741.52')

DEPTH LANDED: 5754.77' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50-50 POZ.

CEMENT TOP: 70'

### TUBING

SIZE/GRADE/WT.: 2-7/8" J-55 - 6.5#

NO. OF JOINTS: 117 jts (3736')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3748' KB

CE @ 3752'

TOTAL STRING LENGTH: EOT @ 3756' KB

### FRAC JOB

08/15/07 4905-4944'

Frac A1 & A3 sands as follows:

80231# 20-40 sand in 629 bbls Lightning 17 frac fluid. Treated @ avg press of 1497 psi w/avg rate of 24.8 BPM. ISIP 1965 psi. Calc flush: 4903 gal. Actual flush: 4050 gal.

08/15/07 3939-3952'

Frac GB4 sands as follows:

69499# 20-40 sand in 560 bbls Lightning 17 frac fluid. Treated @ avg press of 1746 psi w/avg rate of 24.8 BPM. ISIP 1660 psi. Calc flush: 3937 gal. Actual flush: 3431 gal.

08/15/07 3816-3823'

Frac X-stray sands as follows:

19706# 20-40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 1864 psi w/avg rate of 24.8 BPM. ISIP 1575 psi. Calc flush: 3814 gal. Actual flush: 3738 gal.

4/15/09

Pump Change. Updated r & t details.

3/2/12

Convert to Injection Well

3/7/12

Conversion MIT Finalized - update tbg detail

### PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 08/02/07 | 4928-4944' | 4 JSPF | 64 holes |
| 08/02/07 | 4905-4914' | 4 JSPF | 36 holes |
| 08/20/07 | 3939-3952' | 4 JSPF | 52 holes |
| 08/20/07 | 3816-3823' | 4 JSPF | 28 holes |



**NEWFIELD**

**BELUGA FEDERAL 11-18-9-17**

1970' FSL & 1980' FWL

NE/SW Section 18-T9S-R17E

Duchesne Co, Utah

API #43-013-32812; Lease # UTU-72106

# BELUGA FEDERAL 11-18-9-17

Spud Date: 07 03 07  
Put on Production: 08/20/07  
GL: 5471' KB: 5483'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (311.87')  
DEPTH LANDED: 323.72' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

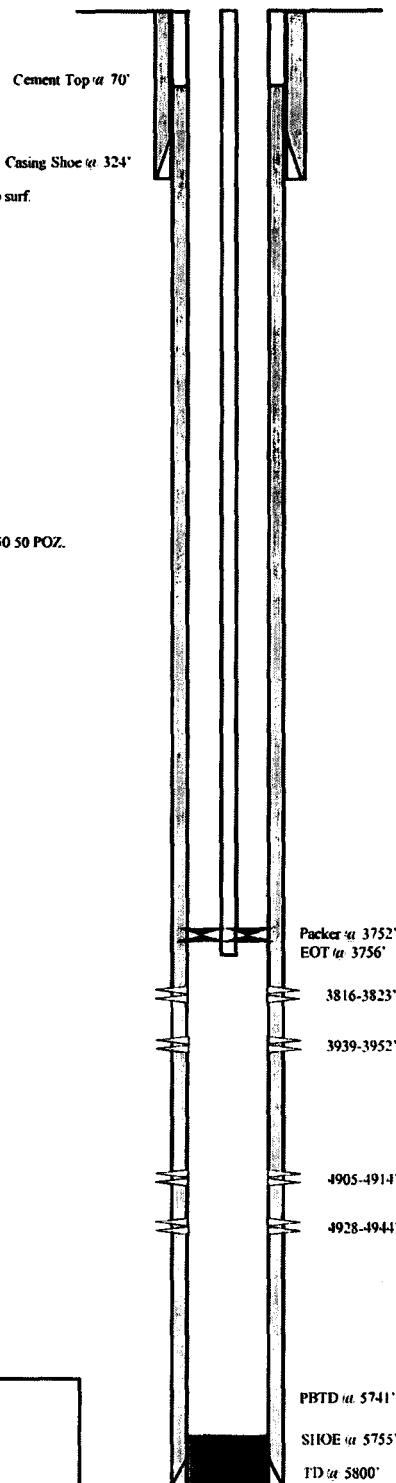
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 148 jts. (5741.52')  
DEPTH LANDED: 5754.77' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50 50 POZ.  
CEMENT TOP: 70'

## TUBING

SIZE GRADE/WT.: 2-7/8" J-55 6.5#  
NO. OF JOINTS: 117 jts (3736')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 3748' KB  
CE @ 3752'  
TOTAL STRING LENGTH: EOT @ 3756' KB

## Injection Wellbore Diagram



## FRAC JOB

08 15 07 4905-4944' Frac A1 & A3 sands as follows:  
80231# 20-40 sand in 629 bbls Lightning 17  
frac fluid. Treated @ avg press of 1497 psi  
w/ avg rate of 24.8 BPM. ISIP 1965 psi. Calc  
flush: 4903 gal. Actual flush: 4050 gal.

08 15 07 3939-3952' Frac GB4 sands as follows:  
69499# 20-40 sand in 560 bbls Lightning 17  
frac fluid. Treated @ avg press of 1746 psi  
w/ avg rate of 24.8 BPM. ISIP 1660 psi. Calc  
flush: 3937 gal. Actual flush: 3431 gal.

08 15 07 3816-3823' Frac X-stray sands as follows:  
19706# 20-40 sand in 280 bbls Lightning 17  
frac fluid. Treated @ avg press of 1864 psi  
w/ avg rate of 24.8 BPM. ISIP 1575 psi. Calc  
flush: 3814 gal. Actual flush: 3738 gal.

4 15 09 Pump Change. Updated r & t details.  
3 2 12 Convert to Injection Well  
3 7 12 Conversion MIT Finalized - update tbg  
detail

## PERFORATION RECORD

08 02 07 4928-4944' 4 JSPF 64 holes  
08 02 07 4905-4914' 4 JSPF 36 holes  
08 20 07 3939-3952' 4 JSPF 52 holes  
08 20 07 3816-3823' 4 JSPF 28 holes

## NEWFIELD

### BELUGA FEDERAL 11-18-9-17

1970 FSL & 1980 FWL  
NE/SW Section 18-T9S-R17E  
Duchesne Co, Utah  
API #43-013-32812; Lease # UTL-72106